



State of Louisiana
Department of Environmental Quality



KATHLEEN BABINEAUX BLANCO
 GOVERNOR
 Certified Mail No.

MIKE D. McDANIEL, Ph.D.
 SECRETARY

Activity No.: PER19960007
 Agency Interest No. 286

Mr. David Fellows
 Environmental Manager
 Baton Rouge Chemical Plant
 ExxonMobil Chemical Company
 P.O. Box 241
 Baton Rouge, LA 70821-0241

RE: Initial Part 70 Operating Permit, Coproducts Units, Baton Rouge Chemical Plant, ExxonMobil Chemical Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Fellows:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2367-V0

Signed:

need public notice

Chuck Carr Brown, Ph.D.
 Assistant Secretary

CCB:CXL

cc: EPA Region VI

OFFICE OF ENVIRONMENTAL SERVICES • P.O. BOX 4313 • BATON ROUGE, LOUISIANA 70821-4313



AN EQUAL OPPORTUNITY EMPLOYER



- The General Condition XVII and Insignificant Activities lists have been updated.
- The permitted emissions for all sources have been evaluated and reconciled where necessary based on updated emission factors, calculation methodology, and/or emission speciation.

The net emissions increases from the proposed projects in Coproducts were reviewed with respect to the PSD program. As shown in the table below, the increase in potential emissions due to this project will be below the PSD Significant Threshold for all criteria pollutants. Therefore, PSD permitting requirements are not triggered.

Criteria Pollutant	PSD Significant Threshold, TPY	Total Project –Impacted Emission Increases, TPY
PM/PM ₁₀	25/15	0.09/0.09
SO ₂	40	-
CO	100	0.76

There is an increase in NO_x emissions due to the production capacity increase in BELA-5 and an increase in VOC emissions due to several individual projects in Coproducts, increases are shown in the table below. Since the project increases are less than the 25 TPY NNSR netting trigger threshold, no further NNSR analysis for VOC is required.

Criteria Pollutant	NNSR Netting Trigger Threshold, TPY	Total Project –Impacted Emission Increases, TPY
NO _x	25	0.94
VOC	25	2.30

Estimated emissions from Coproducts Units in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	13.52	38.51	+24.99
SO ₂	0.01	0.01	-
NO _x	8.60	7.30	-1.30
CO	2.10	6.13	+4.03
VOC	188.19	93.84	-94.35

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, February 6, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed initial Part 70 air operating permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at East Baton Rouge Parish Library, Scotlandville Branch, 7373 Scenic Highway, Baton Rouge, LA 70807.

Inquiries or requests for additional information regarding this permit action should be directed to Ms. Cathy Lu, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3124.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 286, Permit Number 2367-V0, and Activity Number PER19960007.

Publication date: January 2, 2006

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

I. Background

ExxonMobil Chemical Company owns and operates a chemical manufacturing complex, Baton Rouge Chemical Plant (BRCP). Coproducts Units include the following units: Butadiene Extraction Unit (BELA-5), Permit No. 2367 issued on 2/7/1996; Butylenes Purification Unit (BPLA), Permit No. 1892(M-3) issued on 10/2/1995; CycloDiene Purification Unit (CPLA), Permit No. 2362 issued on 12/27/1995; Diels-Alder Reactor Unit (DARLA), Permit No. 2244 issued on 1/25/1994; and Dilute Isoprene Unit (DILA), Permit No. 2312 issued on 4/25/1995.

II. Origin

A permit application and Emission Inventory Questionnaire was submitted by ExxonMobil Chemical Company on October 16, 1996, and March 5, 2005 requesting a Part 70 operating permit.

III. Description

Coproducts Units are comprised of the BELA-5, BPLA, CPLA, DARLA, and DILA Units.

BELA-5 is designed to recover 1,3-butadiene from steam cracked naphtha. The feedstocks for BELA-5 are butadiene streams that are produced in the BRCP or from imported streams. In addition to 1,3-butadiene, 1,2-butadiene and raffinate may be routed either to another BRCP unit, the Baton Rouge Refinery (BRRF), or to a third party.

BPLA uses proprietary technology to recover isobutylene from hydrocarbon streams that are primarily mixed C₄s. The feedstocks for BPLA are C₄ streams that are produced in the BRCP, the BRRF, or from imported streams. The unit recovers the isobutylene from these streams and sends the remaining material to other downstream process units.

CPLA produces dicyclopentadiene and methylcyclopentadiene as primary products. The feedstock for CPLA is a mixture of dimers and co-dimers of cyclopentadiene and methylcyclopentadiene. In addition to dicyclopentadiene and methylcyclopentadiene, other trade name products consisting of dicyclopentadiene and methylcyclopentadiene may be produced.

DARLA produces ethylidene norbornene and vinylnorbornene through a Diels-Alder reaction, fractionation, and isomerization. The feedstocks for DARLA are cyclopentadiene, butadiene,

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and dicyclopentadiene dimer, which are either produced in the BRCP or from imported streams. The ethyridenenorbomene and vinylnorbornene may be routed to other BRCP units or closed loaded into tank cars and trucks for transportation to third parties.

DILA produces isoprene recovered from steam cracked naphtha. The feed to this unit comes from other BRCP units or from imported streams. The first two distillation steps in the DILA Unit were incorporated into the existing Maintrain Title V permit (2031-V4). From the Maintrain Unit, the isoprene concentrate may be further concentrated in the back end of DILA through extractive distillation. This portion of the DILA Unit, which was not included in the Maintrain permit, is incorporated into the Coproducts permit.

There are five minor projects:

- A modification to BPLA distillation towers T-5, T-6, and T-7 that will allow increased recovery of methyl tert butyl ether (MTBE) into isobutylene products. This project requires the addition of approximately 100 fugitive emission components.
- Installation of a jump-over around the BPT-07 Distillation Tower (Emission Point No. V-486) that will utilize the capability of the BST-01 Scrubber (Emission Point No. V-229) to finish making the split required for reactor feed. This project will result in a 5% increase in isobutylene production. This project will require the addition of approximately 100 fugitive emission components.
- Addition of catalyst and reactor modifications to the BPLA Hydrofiner to hydrogenate the Refinery C₄ stream. This project will also refurbish an idle caustic tower to caustic wash the catalyst cracked C₄s prior to transfer to BPLA. The addition of approximately 100 fugitive components from piping is required. There will also be a small increase in venting to the flare from the BST-02 BPLA synthesis tower (Emission Point No. V-211). As a result of this project, the impurities to the MEK feed stream and the return stream to Alkylation will be reduced.
- Installation of piping needed to change an existing BPLA Guardbed Reactor to series operation in order to increase raw material utilization. This project will result in the addition of approximately 200 fugitive emission components.
- Increase capacity of the BELA-5 Unit by 5% through installation of a BAT-02 BELA-5 Distillation Tower (Emission Point No. V-491) bypass, preheat of 1st Extractive Distillation Tower, and increase in the BAT-03 BELA-5 Distillation Tower (Emission

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Point No. V-490) capacity limit. Fugitive emission components will increase as a result of the project by 200 components. Additionally, there will be a marginal increase in the BELA-5 vinyl acetylene offgas vent rates to the MOX boilers (Emission Point No. S-210 in Maintain Permit No. 2031-V4) and/or the Low Pressure Flare System.

Minor changes and reconciliations are also being incorporated as follows:

- The General Condition XVII and Insignificant Activities lists have been updated.
- The permitted emissions for all sources have been evaluated and reconciled where necessary based on updated emission factors, calculation methodology, and/or emission speciation.

The net emissions increases from the proposed projects in Coproducts were reviewed with respect to the PSD program. As shown in the table below, the increase in potential emissions due to this project will be below the PSD Significant Threshold for all criteria pollutants. Therefore, PSD permitting requirements are not triggered.

Criteria Pollutant	PSD Significant Threshold, TPY	Total Project –Impacted Emission Increases, TPY
PM/PM ₁₀	25/15	0.09/0.09
SO ₂	40	-
CO	100	0.76

There is an increase in NO_x emissions due to the production capacity increase in BELA-5. The project-related NO_x increases are 0.94 TPY. There is an increase in VOC emissions due to several individual projects in Coproducts. The project-related VOC increases are 2.30 TPY. Since the project increases are less than the 25 TPY NNSR netting trigger threshold, no further NNSR analysis for VOC is required.

Criteria Pollutant	NNSR Netting Trigger Threshold, TPY	Total Project –Impacted Emission Increases, TPY
NO _x	25	0.94
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Estimated emissions from Coproducts Units in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	13.52	38.51	+24.99
SO ₂	0.01	0.01	-
NO _x	8.60	7.30	-1.30
CO	2.10	6.13	+4.03
VOC	188.19	93.84	-94.35

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

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A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on December XX, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - TPY				
		PM ₁₀	NaOH	HCl	H ₂ SO ₄	VOC
Sampling Emissions	daily to quarterly					1.2
Equipment Preparation	daily to annually					5.0
Vessel Preparation	weekly to annually					4.2
Equipment Maintenance	daily to annually					4.8
Filter Cleaning and Changing	daily to several times/year					0.8
Analyzer Maintenance	daily to several times/year					0.4
Chemical Cleaning	several times/month to annually					3.1
Additive Chemicals	several times/day to annually					0.6
Tank Car/Tank Truck Connections	several times/day to weekly					0.01
Water Draws	several times/day to monthly					1.1
Catalyst Loading	several times/day to annually	2.1				0.04

IX. Insignificant Activities

ID No.:	Description	Citation
	Tanks	Insignificant Activity per LAC 33:III.501.B.5.A.3.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		51	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
GRP139	Coproducts	1	1	1	1											1		1	1
EQT232	C-01B															1			
EQT233	C-01D															1			
EQT234	C-02A															1			
EQT235	C-02D															3			
EQT236	C-05B															1			
EQT237	C-08J															1			
EQT238	M-01A							1								1			
EQT239	M-01B							1								1			
EQT240	M-01C							1								1			
EQT241	M-01F							1								1			
EQT242	M-68-A, NORMAL	1														2			
EQT518	M-68-A, ALTERNATE	1														2			
EQT243	M-68-B															2			
EQT244	M-69-A, NORMAL	1														2			

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ID No.:	Description	LAC 33:III.Chapter																	
		5 ¹	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
EQT519	M-69-A, ALTERNATE	1										2				1			
EQT245	M-69-B											2				1			
EQT246	M-77-A											2				1			
EQT247	M-77-B											2				1			
EQT248	M-78-A											2				1			
EQT249	M-78-B											2				1			
EQT250	S-78			1	1	1								3	2				
EQT251	T-1656						1									1			
EQT252	T-1661							3								3			
EQT253	T-1662								3							3			
EQT254	T-1665						1									1			
EQT255	T-1667						1									1			
EQT256	T-1668						1									1			
EQT257	T-1669						1									1			
EQT258	T-1747							3								3			
EQT259	T-1749							3								3			

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ID No.:	Description	LAC 33:III. Chapter																		
		51	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59	
EQT260	T-1774						3													
EQT261	T-1912						1													
EQT262	T-1915, N	1					1													
EQT572	T-1915, A	1					1													
EQT263	T-1917						3													
EQT264	T-1919						3													
EQT265	T-1921, N	1					1													
EQT573	T-1921, A	1					1													
EQT266	T-1951						1													
EQT267	T-1952						1													
EQT269	T-3054						1													
EQT271	T-3192						1													
EQT278	T-3199						1													
EQT281	T-3202						3													
EQT283	T-3204						1													
EQT284	T-3205						1													

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ID No.:	Description	LAC 33:III.Chapter																	
		5 ¹	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
EQT285	T-3206						1									1			
EQT286	T-3207						1									1			
EQT287	T-3208						1									1			
EQT288	T-3209						1									1			
EQT289	T-3210						1									1			
EQT290	T-3211						1									1			
EQT291	T-3217						1									1			
EQT293	V-190															1			
EQT294	V-210								3			3				1			
EQT295	V-211									3		3				3			
EQT296	V-229															3			
EQT297	V-230															3			
EQT298	V-240															3			
EQT299	V-279								1							1			
EQT300	V-280								1							1			
EQT301	V-296															3			

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ID No.:	Description	LAC 33:III.Chapter																	
		5 ¹	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
EQT302	V-297									1			3						
EQT303	V-35									3			3						
EQT304	V-359									3			3						
EQT305	V-361									3			3						
EQT306	V-374									3		1	3						
EQT307	V-385									3			3						
EQT308	V-386									3			3						
EQT309	V-482									3				1					
EQT310	V-483									1			3						
EQT311	V-484									3		3							
EQT312	V-485									3			3						
EQT313	V-486																3		
EQT314	V-487									3									
EQT315	V-488									3				1					
EQT316	V-489									3									
EQT317	V-490									3			3						

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ID No.:	Description	LAC 33:III.Chapter																	
		5 ¹	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
EQT318	V-491															3			
EQT319	V-492								3			1				1			
EQT320	V-493								3							1			
EQT321	V-495															3			
EQT322	V-497								3							1			
FUG016	U-112			1				1		1						1			
FUG017	U-117							1		1						1			
FUG018	U-13							1		1						1			
FUG019	U-46F							1		1						1			
FUG020	U-47K							1		1						1			
RLP059	V-154																		
RLP060	V-154A								1										
RLP061	V-154B									1						1			
RLP062	V-154C									1						1			
RLP063	V-162				1														3
RLP064	V-163				1						1								3

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Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																	
		5 ¹	9	11	13	15	2103	2107	2111	2115	2122	2153*	2147	2149	22	51*	53	56	59
RLP065	V-226D						1									1			
RLP066	V-481								1							1			

*The regulations indicated above are State Only regulations.

¹LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank -- The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements																							
ID No.	Description	40 CFR 60 NSPS							40 CFR 63 NESHAP							40 CFR							
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	V	F	G	H	I	Q	FFFF	DDDD	64	68	70	
GRP139	Coproducts	1						1		1								1			1		1
EQT232	C-01B											3											
EQT233	C-01D													1									
EQT234	C-02A													1									
EQT235	C-02D																						
EQT236	C-05B																						
EQT237	C-08J																						
EQT238	M-01A																						
EQT239	M-01B																						
EQT240	M-01C																						
EQT241	M-01F																						
EQT242	M-68-A, NORMAL																						
EQT518	M-68-A, ALTERNATE																						

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		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	V	F	G	H	I	Q	FFFF	DDDD	64	68	70		
ID No.	Description																							
EQT243	M-68-B																							
EQT244	M-69-A, NORMAL																							
EQT519	M-69-A, ALTERNATE																							
EQT245	M-69-B																							
EQT246	M-77-A																							
EQT247	M-77-B																							
EQT248	M-78-A																							
EQT249	M-78-B																							
EQT250	S-78	2					1																	
EQT251	T-1656			3																				
EQT252	T-1661			3																				
EQT253	T-1662			3																				
EQT254	T-1665			2																				
EQT255	T-1667			2																				

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**Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS												40 CFR 63 NESHAP							40 CFR		
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	A	F	G	H	I	Q	FFFF	DDDD	64	68	70	
ID No.	Description																						
EQT256	T-1668		2																				
EQT257	T-1669		2																				
EQT258	T-1747		3																				
EQT259	T-1749		3																				
EQT260	T-1774		3																				
EQT261	T-1912		2																				
EQT262	T-1915, N		3																				
EQT572	T-1915, A		2																				
EQT263	T-1917		3																				
EQT264	T-1919		3																				
EQT265	T-1921, N		3																				
EQT573	T-1921, A		2																				
EQT266	T-1951		2																				
EQT267	T-1952		2																				

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 Baton Rouge Chemical Plant
 Agency Interest No. 286
 ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS												40 CFR 63 NESHAP							40 CFR		
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	A	F	G	H	I	Q	FFFF	DDDD	64	68	70	
ID No.	Description																						
EQT269	T-3054		3																				
EQT271	T-3192		3																				
EQT278	T-3199		3																				
EQT281	T-3202		3																				
EQT283	T-3204		3																				
EQT284	T-3205		3																				
EQT285	T-3206		3																				
EQT286	T-3207		3																				
EQT287	T-3208		3																				
EQT288	T-3209		3																				
EQT289	T-3210		3																				
EQT290	T-3211		3																				
EQT291	T-3217		3																				
EQT293	V-190						3																

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Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS																40 CFR 63 NESHAP								40 CFR		
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	V	F	G	H	I	Q	FFFF	DDDDD	64	68	70						
ID No.	Description																											
EQT294	V-210						1																					
EQT295	V-211						3									1												
EQT296	V-229																											
EQT297	V-230																											
EQT298	V-240																											
EQT299	V-279																											
EQT300	V-280																											
EQT301	V-296																											
EQT302	V-297																											
EQT303	V-35												3															
EQT304	V-359												3															
EQT305	V-361												3															
EQT306	V-374																											
EQT307	V-385												3															

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Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS										40 CFR 63 NESHAP							40 CFR				
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	A	F	G	H	I	Q	FFFF	DDDD	64	68	70	
ID No.	Description																						
EQT308	V-386						3							1									
EQT309	V-482																						
EQT310	V-483																						
EQT311	V-484									1													
EQT312	V-485							3						1									
EQT313	V-486																						
EQT314	V-487													1									
EQT315	V-488																						
EQT316	V-489																						
EQT317	V-490																						
EQT318	V-491						3																
EQT319	V-492																						
EQT320	V-493																						
EQT321	V-495																						

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS										40 CFR 63 NESHAP								40 CFR			
		A	Dc	Kb	Vv	III	NNN	RRR	A	J&V	FF	A	F	G	H	I	Q	FFFF	DDDD	64	68	70	
ID No.	Description																						
EQT322	V-497																						
FUG016	U-112			1					1														
FUG017	U-117			1																			
FUG018	U-13			1																			
FUG019	U-46F			1																			
FUG020	U-47K			1																			
RLP060	V-154A			3																			
RLP061	V-154B																						
RLP062	V-154C																						
RLP063	V-162																						
RLP064	V-163																						
RLP065	V-226D																						
RLP066	V-481																						

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT232 C-01B	NESHAP for Source Categories Subpart Q-Chromium Emissions from Industrial Process Cooling Towers(IPCT) [40 CFR Part 63.400(a)]	DOES NOT APPLY. No water treatment programs using chromium or chromium compounds at the IPCT.
EQT233 C-01D		
EQT234 C-02A		
EQT235 C-02D		
EQT236 C-05B		
EQT237 C-08J		
EQT232 C-01B	NESHAP for Source Categories Subpart F-Heat Exchange System Requirements [40 CFR Part 63.100(b)]	DOES NOT APPLY. This recirculating heat exchange system is not used to cool process equipment in a CMPU subject to the SOCMIHON.
EQT235 C-02D		
EQT237 C-08J		
EQT238 M-01A	NESHAP for Source Categories Subpart G-Transfer Operations Provisions [40 CFR 63.100(b)]	DOES NOT APPLY. The loading operation of this product is not from a CMPU subject to the HON. The primary product of the process unit is not listed in Table I of Part 63 Subpart F.
EQT241 M-01F		
EQT238 M-01A	Control of Emission of Volatile Organic Compounds-Loading [LAC 33:III.2107.A]	EXEMPT. Facilities loading VOC with true vapor pressure<1.5 psia (at loading conditions) are exempt from the provisions of this section except for documentation of the daily total throughput of VOC loaded [required by LAC 33:III.2107.D.1]
EQT241 M-01F		
RLP 065 V-226D		

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT242 M-68-A, N EQT518 M-68-A, A EQT243 M-68-B EQT244 M-69-A, N EQT519 M-69-A, A EQT245 M-69-B EQT246 M-77-A EQT247 M-77-B EQT249 M-78-B	Control of Emission of Organic Compounds-Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to NESHAP Part 61 Subpart FF is exempt from this section.
EQT244 M-69-A, N EQT245 M-69-B EQT248 M-78-A EQT249 M-78-B EQT519 M-69-A, A	NESHAP for Source Categories Subpart G-Process Wastewater Provisions [40 CFR 63.101]	DOES NOT APPLY. Does not meet the HON definition of wastewater. The wastewater is not discarded from a CMPU subject to the HON.
EQT250 S-78	NSPS Subpart Dc-Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60.40c(a)] Emission Standards for Sulfur Dioxide-Emission Limitations [LAC 33:III.1503]	DOES NOT APPLY. Construction of the source commenced prior to 6/9/89. The source has not been modified or reconstructed since 6/9/89. EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/1997, LDEQ approved exemptions that exclude this source from the 2,000 ppmv SO ₂ limit.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source	Requirement	Notes
ID No: (Continued) EQT250 S-78	Requirement Emission Standards for Sulfur Dioxide-Continuous Emission Monitoring [LAC 33:III.1511] Emission Standards for Sulfur Dioxide-Recordkeeping and Reporting [LAC 33:III.1513] Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115.M] Control of Emissions of Nitrogen Oxides (NOx) in the Baton Rouge Nonattainment Area and the Region of Influence [LAC 33:III.2201.C.1] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	Notes EXEMPT. SO ₂ continuous emissions monitors are not required for sources emitting less than 100 TPY SO ₂ . Retain data required to demonstrate exemption from the SO ₂ provisions. DOES NOT APPLY. No waste gas streams enter the equipment. EXEMPT. Maximum rated capacity of the boiler/process heater/furnace is <40 MM BTU/hr. EXEMPT. Chemical Manifold Mixing (CMM) gas has a composition similar to that of natural gas and is therefore exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A.
EQT251 T-1656	NSPS Subpart Kb -- Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(b)]	DOES NOT APPLY. Vessels with capacity >=39,889 gals(151 cubic meters) storing a liquid with maximum vapor pressure less than 0.51 psia (3.5 kPa) are not subject to this subpart.
EQT269 T-3054	NSPS Subpart Kb -- Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(b)]	DOES NOT APPLY. Storage Vessels with capacity >=19,812 gals(75 cubic meters) and <39,889 gallons(151 cubic meters) storing a liquid with maximum vapor pressure less than 2.18 psia (15 kPa) are not subject to this subpart.

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT252 T-1661	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(d)(2)]	DOES NOT APPLY. Storage vessel is a pressure vessel that operates in excess of 29.7 psia with no emissions to the atmosphere.
EQT253 T-1662		
EQT258 T-1747		
EQT259 T-1749		
EQT260 T-1774		
EQT263 T-1917		
EQT264 T-1919		
EQT281 T-3202		
EQT254 T-1665		
EQT255 T-1667		
EQT256 T-1668		
EQT257 T-1669		
EQT261 T-1912		
EQT572 T-1915, A		
EQT573 T-1921, A		
EQT266 T-1951		
EQT267 T-1952		

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT262 T-1915, N EQT265 T-1921, N	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.112b(a)]	DOES NOT APPLY. A storage vessel classified as Group 1 or Group 2 under NESHAP Part 63 (SOCMI HON) Subpart G-Storage Vessel Provisions that is also subject to NSPS Subpart Kb is required to comply only with the provision of the HON.
EQT271 T-3192 EQT278 T-3199 EQT283 T-3204 EQT284 T-3205 EQT285 T-3206 EQT286 T-3207	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has a capacity <19,812 gals (75 cubic meters).
EQT287 T-3208 EQT288 T-3209 EQT289 T-3210 EQT290 T-3211 R060 V-154A	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has a capacity <19,812 gals (75 cubic meters).
EQT291 T-3217	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.111b]	DOES NOT APPLY. Vessel meets the definition of a process tank, which is excluded from the storage vessel definition.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT251 T-1656	NESHAP for Source Categories Subpart G – Storage Vessel Provisions [40 CFR 63.100(b)]	DOES NOT APPLY. This storage vessel is not part of a CMPU subject to the HON. The primary product of the process unit is not listed in Table 1 of Part 63 Subpart F.
EQT254 T-1665		
EQT255 T-1667		
EQT256 T-1668		
EQT257 T-1669		
EQT261 T-1912		
EQT266 T-1951		
EQT267 T-1952		
EQT269 T-3054		
EQT271 T-3192		
EQT572 T-1915		
EQT573 T-1921		
RLP060 V-154A		

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT252 T-1661 EQT253 T-1662 EQT258 T-1747 EQT259 T-1749 EQT260 T-1774 EQT263 T-1917 EQT264 T-1919 EQT281 T-3202	NESHAP for Source Categories Subpart G – Storage Vessel Provisions [40 CFR 63.101]	DOES NOT APPLY. Definition of storage vessel does not include pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
EQT278 T-3199	NESHAP for Source Categories Subpart G – Storage Vessel Provisions [40 CFR 63.101(b)]	DOES NOT APPLY. Does not meet the definition of a storage vessel. Storage vessel has capacity < 38 m ³ .
EQT283 T-3204 EQT284 T-3205 EQT285 T-3206 EQT286 T-3207 EQT287 T-3208 EQT288 T-3209 EQT289 T-3210 EQT290 T-3211 EQT291 T-3217	NESHAP for Source Categories Subpart G – Storage Vessel Provisions [40 CFR 63.101]	DOES NOT APPLY. Definition of storage vessel does not include surge control vessels and bottoms receivers.

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
.ID No:	Requirement	
EQT291 T-3217	NESHAP for Source Categories Subpart H – Surge Control Vessels and Bottoms Receivers Provisions [40 CFR 63.100(b)]	DOES NOT APPLY. This vessel is not part of a chemical manufacturing process unit applicable to the HON.
EQT283 T-3204 EQT284 T-3205 EQT285 T-3206 EQT286 T-3207 EQT287 T-3208 EQT288 T-3209 EQT289 T-3210 EQT290 T-3211	NESHAP for Source Categories Subpart H – Surge Control Vessels and Bottoms Receivers Provisions [40 CFR 63.170]	NO CONTROLS REQUIRED. Vessel has capacity less than 19,812 gallons (75 cubic meters). No controls are required.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT251 T-1656 EQT254 T-1665 EQT255 T-1667 EQT256 T-1668 EQT257 T-1669 EQT266 T-1951 EQT267 T-1952 EQT269 T-3054 EQT271 T-3192 EQT278 T-3199 EQT283 T-3204 EQT284 T-3205 EQT285 T-3206 EQT286 T-3207 RLP060 V-154A	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33:III.2103]	EXEMPT. Storage vessels storing VOC with true vapor pressure < 1.5 psia are exempt from the provisions of this section except for documentation of the maximum true vapor pressure in accordance with LAC 33:III.2103.H.3 and I.4.

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT252 T-1661 EQT253 T-1662 EQT258 T-1747 EQT259 T-1749 EQT260 T-1774 EQT263 T-1917 EQT264 T-1919 EQT281 T-3202	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. Storage vessel is a pressure vessel that operates in excess of 29.7 psia with no emissions to the atmosphere.
EQT319 V-492	NESHAP for Source Categories Subpart G -- Process Vent Provisions [40 CFR 63.100(b)]	DOES NOT APPLY. This process vent is not part of a CMPU subject to the HON. The primary product of the process unit is not listed in Table 1 of Part 63 Subpart F.
EQT293 V-190 EQT295 V-211 EQT303 V-35 EQT304 V-359 EQT305 V-361 EQT306 V-374 EQT307 V-385 EQT308 V-386 EQT317 V-490	NSPS Subpart NNN-SOCMI Distillation Operations [40 CFR 60. Subpart NNN]	DOES NOT APPLY. A process vent classified as Group 1 under NESHAP Part 63 (SOCMI HON) Subpart G-Process vent Provision that is also subject to NSPS NNN is required to comply only with the provisions of the HON.

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT312 V-485	NSPS RRR-SOCMI Reactor Processes [40 CFR 63.110(d)(7)]	DOES NOT APPLY. A process vent classified as Group 1 under NESHAP Part 63 (SOCMI HON) Subpart G-Process vent Provision that is also subject to NSPS RRR is required to comply only with the provisions of the HON.
RLP061 V-154B RLP062 V-154C RLP064 V-163 RLP066 V-481	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <=100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT293 V-190	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
EQT295 V-211		
EQT303 V-35		
EQT304 V-359		
EQT305 V-361		
EQT306 V-374		
EQT307 V-385		
EQT308 V-386		
EQT309 V-482		
EQT311 V-484		
EQT312 V-485		
EQT314 V-487		
EQT315 V-488		
EQT316 V-489		
EQT317 V-490		
EQT319 V-492		
EQT320 V-493		
EQT322 V-497		

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT293 V-190 EQT295 V-211 EQT303 V-35 EQT304 V-359 EQT305 V-361 EQT306 V-374 EQT307 V-385 EQT308 V-386 EQT312 V-485 EQT317 V-490	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:II.2147.A.2.g]	EXEMPT. Any reactor process or distillation operation that is subject to the SOCM I HON, NSPS Subpart NNN, or NSPS Subpart RRR is not subject to the provisions of LAC 33:II.2147.
EQT299 V-279 EQT300 V-280 EQT301 V-296 EQT302 V-297 EQT310 V-483	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:II.2147.A]	DOES NOT APPLY. Does not produce any of the SOCM I chemicals listed in Table 8 in LAC 33:III Chapter 2 Appendix A as a final product or intermediate.
EQT311 V-484	Control of Emission of Organic Compounds-Standards for Industrial Wastewater [LAC 33:II.2153.G.6]	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to NESHAP Part 61 Subpart FF is exempt from this section.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT235 C-02D	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY. These emission points do not emit any TAPs.
EQT572 T-1915, A		
EQT573 T-1921, A		
EQT278 T-3199		
RLP063 V-162		
RLP064 V-163		
EQT294 V-210		
EQT296 V-229		
EQT297 V-230		
EQT298 V-240		
EQT252 T-1661	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY. These vessels are pressurized and capable of maintaining working pressures sufficient at a times under normal operating conditions to prevent vapor loss to atmosphere.
EQT253 T-1662		
EQT258 T-1747		
EQT259 T-1749		
EQT260 T-1774		
EQT263 T-1917		
EQT264 T-1919		
EQT281 T-3202		

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Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQT301 V-296 EQT313 V-486 EQT318 V-491 EQT321 V-495	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY. There is no vent stream from this process equipment.
GRP139 COPRODUCTS	NESHAP 61 Subpart FF-National Emission Standard for Benzene Waste Operations [40 CFR 61.345(a)]	Containers: Exempt from monitoring. Containers that have capacities <0.42 cubic meters (111 gallons) and meet DOT specifications and testing requirements under 49 CFR 178 and that hold benzene-containing wastes with a flow weighted annual average benzene concentration >=10ppmw are exempt from Method 21 monitoring requirements.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST		
EQT/EIQ	DESCRIPTION	NOTES
EQT242 M-68-A	SECONDARY WASTEWATER EMISSIONS (BPLA WASTEWATERS TO WILA) Normal Operating Scenario	BPLA process contact wastewater routed to WILA Steam Stripper MVT-01 (EIQ #V-148 in the Plant Infrastructure Permit) for treatment.
EQT518 M-68-A	SECONDARY WASTEWATER EMISSIONS (BPLA WASTEWATERS TO WILA) Alternate Operating Scenario	Some wastewater may be exempted from control by including it on the BRCP facilitywide 2.0 Mg exempt list (Benzene Waste Operations NESHAP)
EQT243 M-68-B	SECONDARY WASTEWATER EMISSIONS (BPLA WASTEWATERS TO AWT)	BPLA wastewater routed to AWT Unit.
EQT244 M-69-A	SECONDARY WASTEWATER EMISSIONS (CPLA WASTEWATERS TO WILA) Normal Operating Scenario	CPLA process contact wastewater routed to WILA Steam Stripper MVT-01 (EIQ #V-148 in the Plant Infrastructure Permit) for treatment.
EQT519 M-69-A	SECONDARY WASTEWATER EMISSIONS (CPLA WASTEWATERS TO WILA) Alternate Operating Scenario	Some wastewater may be exempted from control by including it on the BRCP facilitywide 2.0 Mg exempt list (Benzene Waste Operations NESHAP)
EQT245 M-69-B	SECONDARY WASTEWATER EMISSIONS (CPLA WASTEWATERS TO AWT)	CPLA wastewater routed to AWT Unit.
EQT246 M-77-A	SECONDARY WASTEWATER EMISSIONS (BELA-5 WASTEWATERS TO AWT)	BELA-5 wastewater routed to AWT Unit.
EQT247 M-77-B	SECONDARY WASTEWATER EMISSIONS (BELA-5 WASTEWATERS TO WILA)	BELA-5 process contact wastewater routed to WILA Steam Stripper MVT-01 (EIQ #V-148 in the Plant Infrastructure Permit) for treatment.
EQT248 M-78-A	SECONDARY WASTEWATER EMISSIONS (DARLA WASTEWATERS INCLUDING DILA ACN TO AWT)	DARLA wastewater, including DILA ACN wastewater emissions, routed to AWT Unit.
EQT249 M-78-B	SECONDARY WASTEWATER EMISSIONS (DARLA WASTEWATERS INCLUDING DILA ACN TO WILA)	DARLA process contact wastewater, including DILA ACN wastewater emissions, routed to WILA Steam Stripper MVT-01 (EIQ #V-148 in the Plant Infrastructure Permit) for treatment.
EQT239 M-01B	PRODUCT LOADING - TANK TRUCKS/RAILCARS (BELA-5 UNIT)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT240 M-01C	PRODUCT LOADING - TANK TRUCKS/RAILCARS (BPLA UNIT)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
 Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST	
EQT/EIQ	DESCRIPTION
EQT241 M-01F	PRODUCT LOADING - TANK TRUCKS/RAILCARS (DILA UNIT)
EQT252 T-1661	BUTADIENE PRODUCT STORAGE SPHERE
EQT253 T-1662	BUTADIENE PRODUCT STORAGE SPHERE
EQT258 T-1747	AMYLENE, BUTADIENE, & BUTENES STORAGE SPHERE
EQT259 T-1749	CRUDE BUTADIENE & BUTENES STORAGE SPHERE
EQT260 T-1774	ISOBUTYLENE STORAGE SPHERE
EQT262 T-1915	METHANOL, ISOPRENE STORAGE SPHERE
EQT263 T-1917	BUTYLENE STORAGE SPHERE
EQT264 T-1919	BUTENES, AMYLENES, & ISOPRENE SPHERE
EQT265 T-1921	METHANOL, ISOPRENE STORAGE SPHERE
EQT269 T-3054	DARLA ENB STORAGE VESSEL
EQT271 T-3192	DARLA TOLUENE STORAGE DRUM (BZD-810)

NOTES

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Tank is a pressurized sphere. Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

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Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

There is no vent to the atmosphere from this drum. Vent is routed to the process.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
 Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST	
EQT/EIQ	DESCRIPTION
T-3193	BELA-5 TBC STORAGE DRUM (BTD-200)
T-3194	BELA-5 TBC STORAGE DRUM (BTD-201)
T-3195	BELA-5 TBC STORAGE DRUM (BTD-30)
EQT278 T-3199	CPLA HEAT TRANSFER FLUID DRUM (BXD-30)
T-3200	BELA-5 ADDITIVE STORAGE DRUM (BAD-16)
T-3201	BELA-5 ADDITIVE STORAGE DRUM (BAD-09)
EQT281 T-3202	BELA-5 1,2-BUTADIENE STORAGE DRUM (BTD-101)
EQT284 T-3205	BPLA BST-01 WATER DISENGAGING DRUM (BSD-102)
EQT285 T-3206	DARLA FEED DRUM (BRD-100)
EQT286 T-3207	DARLA OFFTEST DRUM (BCD-602)
EQT287 T-3208	DARLA STEAM CRACKING RECYCLE DRUM (BZD-803)

NOTES

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

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Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST	
EQ/IEQ	DESCRIPTION
EQ288 T-3209	BELA-5 PURIFIED SOLVENT ACCUMULATOR (BBD-54)
EQ289 T-3210	BELA-5 SOLVENT DRUM (BBD-53A)
EQ290 T-3211	BELA-5 SOLVENT DRUM (BBD-53B)
EQ291 T-3217	CPLA FEED DRUM (BXD-02)
RLP059 V-35	BELA-5 COMPRESSOR LUBE OIL STRIPPER (BAD-26)
RLP060 V-154A	DILA ACETONITRILE/WATER TANK (TK-1911)
RLP061 V-154B	DILA N2 STRIPPER VENT
EQ252V-154C	DILA SCRUBBERS VENT
EQ293 V-190	BPLA METHANOL RECOVERY TOWER (BST-04)
EQ294 V-210	BPLA ISOBUTYLENE PURIFICATION TOWER (BPT-10)
EQ295 V-211	BPLA SYNTHESIS TOWER (BST-02)
EQ296 V-229	BPLA SCRUBBERS (BST-01, BST-03, BPT-08, BPT-11)
EQ297 V-230	BPLA GUARD AND DECOMPOSITION REACTORS
EQ298 V-240	DILA SCRUBBER TOWERS (BDT-5, BDT-6, BDT-12X)
	NOTES
	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
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	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
	The emissions from the working and breathing losses from this fixed roof tank are routed to a common vent, EIQ #V-154, which is the ACN Recovery System Vent (BBD-301/BBD-302)
	The vent from this stripper is routed to a common vent, EIQ #V-154, which is the ACN Recovery System Vent (BBD-301/BBD-302)
	The vent from this scrubber is routed to a common vent, EIQ #V-154, which is the ACN Recovery System Vent (BBD-301/BBD-302)
	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
	These towers have no vapor overhead stream and, therefore, no emissions to atmosphere.
	These reactors have no vapor overhead stream and, therefore, no emissions to atmosphere.
	These towers have no vapor overhead stream and, therefore, no emissions to atmosphere.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST	
EQT/EIQ	DESCRIPTION
EQT299 V-279	CPLA CRACKER REACTOR / PRODUCT SEPARATORS (BXR-01, BXD-10, BXD-01)
EQT300 V-280	CPLA FRACTIONATOR (BXT-01)
EQT301 V-296	DARLA DIELS-ALDER REACTOR (BRR-101, BBD-101)
EQT302 V-297	DARLA FRACTIONATION TOWERS (BFT-01, BFT-02, & BFT-03)
EQT304 V-359	BELA-5 CONDENSATE DRUM (BBD-902)
EQT305 V-361	BELA-5 TAR VACUUM HEATERS
EQT306 V-374	BELA-5 SPHEREFIELD FARE DRUM (BTD-28)
EQT307 V-385	BELA-5 RECOVERY & TOPPING TOWERS (BAT-05, BAT-06)
EQT308 V-386	BELA-5 SOLVENT PURIFICATION TOWER (BBT-51)
EQT309 V-482	DARLA ISOMERIZATION REACTOR (BCR-201)
EQT310 V-483	CPLA ROPO STRIPPER TOWER (BXT-02)

NOTES

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

This reactor has no vapor overhead stream and, therefore, no emissions to atmosphere.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

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Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent is normally routed to the MOX Boilers MZD-01/MZD-02 (EIQ #S-33 and 34 in the Maintrain Ethylene permit) for control. Alternately, Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

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Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST		NOTES
EQT/EQ	DESCRIPTION	
EQT312 V-485	BPLA HYDROGENATION REACTOR (BSR-301)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT313 V-486	BPLA DISTILLATION TOWERS (BPT-05, BPT-06, BPT-07)	These towers have no vapor overhead stream and, therefore, no emissions to atmosphere.
EQT314 V-487	BPLA UNIT FLARE DRUM (BZD-37)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT315 V-488	DARLA SPENT CATALYST STRIPPER (BCD-301)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT316 V-489	DARLA UNIT FLARE DRUM (BZD-901)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT317 V-490	BELA-5 DISTILLATION TOWERS (BAT-01A/B, BAT-03, BAT-07A/B)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT318 V-491	BELA-5 DISTILLATION TOWERS (BAT-02, BAT-04)	These towers have no emissions to atmosphere. The vent stream is recycled back to the process.
EQT319 V-492	DILA DISTILLATION TOWERS (BDT-02, BDT-04, BDT-08X, BDT-09X)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT320 V-493	BELA-5 UNIT FLARE DRUM (BZD-104)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.
EQT321 V-495	DILA DISTILLATION TOWERS (BDT-03, BDT-07, BDT-11X)	These towers have no vapor overhead stream and, therefore, no emissions to atmosphere.
EQT322 V-497	BELA-5 DMF BLOWDOWN DRUM (BZD-103)	Vent stream is routed to the BRCP Flare Gas Recovery System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) route the process vents to the BRCP flares for combustion.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 ONLY SPECIFIC CONDITIONS**

**Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30, and July 1, through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
U-13	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT	10% VOC 10% VOC 5% VOTAP	LA Non-HON MACT* As per ExxonMobil correspondence dated March 30, 1995, revised January 7, 1998.
U-46F	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT 40 CFR 63 Subpart H	10% VOC 10% VOC 5% VOTAP 5% VOHAP	40 CFR 63 Subpart H
U-47K	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT 40 CFR 63 Subpart H	10% VOC 10% VOC 5% VOTAP 5% VOHAP	40 CFR 63 Subpart H

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 ONLY SPECIFIC CONDITIONS**

**Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
U-112	40 CFR 60 Subpart VV LAC 33:III.2122 40 CFR 61 Subpart J & V LA Non-HON MACT 40 CFR 63 Subpart H	10% VOC 10% VOC 10% Benzene 5% VOTAP 5% VOHAP	40 CFR 63 Subpart H
U-117	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT	10% VOC 10% VOC 5% VOTAP	LA Non-HON MACT* As per ExxonMobil correspondence dated March 30, 1995, revised January 7, 1998.

*Modified for consistency with HON Subpart H revisions. The connectors in the OLA-2X Process Areas shall comply with 40 CFR 63 Subpart H fugitive emissions monitoring and repair program per LDEQ Administrative Order dated January 10, 1997 (Enforcement Tracking No. AE-O-97-0003)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ONLY SPECIFIC CONDITIONS

Coproducts Units
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

1. The facility shall maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC). HRVOC shall include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene.
2. It shall be the general duty of owners and/or operators to maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. The written plan presently required by LAC 33:III.2113.A.4 shall be updated within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.
3. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
 - a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emissions components themselves;
 - b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
 - d. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
4. The components are promptly incorporated into any applicable leak detection and repair program.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 16, 1996, along with supplemental information dated March 5, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Subject Item Inventory.

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQ1232	C-01B - GFLA-1 COOLING TOWER (CPLA EMISSIONS)		14768 gallons/min			8760 hr/yr (All Year)
EQ1233	C-01D - GFLA-1 COOLING TOWER (BPLA EMISSIONS)		895 gallons/min			8760 hr/yr (All Year)
EQ1234	C-02A - GFLA-3 COOLING TOWER (BPLA EMISSIONS)		11000 gallons/min			8760 hr/yr (All Year)
EQ1235	C-02D - GFLA-3 COOLING TOWER (DARLA EMISSIONS)		24475 gallons/min			8760 hr/yr (All Year)
EQ1236	C-05B - EPLA-W COOLING TOWER (BELA-5 EMISSIONS)		22000 gallons/min			8760 hr/yr (All Year)
EQ1237	C-08J - GFLA-2/5/6 COOLING TOWERS (DILA BACKEND)		5700 gallons/min			8760 hr/yr (All Year)
EQ1238	M-01A - LOADING-TANK TRUCKS/RAILCARS (CPLA)					8760 hr/yr (All Year)
EQ1239	M-01B - LOADING-TANK TRUCKS/RAILCARS (BELA-5)					8760 hr/yr (All Year)
EQ1240	M-01C - LOADING-TANK TRUCKS/RAILCARS (BPLA)					8760 hr/yr (All Year)
EQ1241	M-01F - LOADING-TANK TRUCKS/RAILCARS (DILA)					8760 hr/yr (All Year)
EQ1242	M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), N					(None Specified)
EQ1243	M-68-B - SECONDARY WASTEWATER (BPLA TO AWT)					(None Specified)
EQ1244	M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), N					(None Specified)
EQ1245	M-69-B - SECONDARY WASTEWATER (CPLA TO AWT)					(None Specified)
EQ1246	M-77-A - SECONDARY WASTEWATER (BELA-5 TO AWT)					(None Specified)
EQ1247	M-78-B - SECONDARY WASTEWATER (BELA-5 TO WILA)					(None Specified)
EQ1248	M-78-A - SECONDARY WASTEWATER (DARLA TO AWT)					(None Specified)
EQ1249	M-78-B - SECONDARY WASTEWATER (DARLA TO WILA)					(None Specified)
EQ1250	S-78 - CPLA HOT OIL FURNACE (YF-01)		18 MM BTU/hr			8760 hr/yr (All Year)
EQ1251	T-1656 - CYCLICS PRODUCT STORAGE TANK	126900 gallons				8760 hr/yr (All Year)
EQ1252	T-1661 - BUTADIENE PRODUCT STORAGE SPHERE	105700 gallons				8760 hr/yr (All Year)
EQ1253	T-1662 - BUTADIENE PRODUCT STORAGE SPHERE	105700 gallons				8760 hr/yr (All Year)
EQ1254	T-1665 - CYCLICS PRODUCT STORAGE TANK	300800 gallons				8760 hr/yr (All Year)
EQ1255	T-1667 - CYCLICS PRODUCT RUNDOWN STORAGE TANK	31700 gallons				8760 hr/yr (All Year)
EQ1256	T-1668 - CYCLICS PRODUCT RUNDOWN STORAGE TANK	31700 gallons				8760 hr/yr (All Year)
EQ1257	T-1669 - CYCLICS PRODUCT STORAGE TANK	211500 gallons				8760 hr/yr (All Year)
EQ1258	T-1747 - AMYLENE, BUTADIENE, & BUTENES STORAGE	86000 gallons				8760 hr/yr (All Year)
EQ1259	T-1749 - CRUDE BUTADIENE & BUTENES STORAGE	519500 gallons				8760 hr/yr (All Year)
EQ1260	T-1774 - ISOBUTYLENE STORAGE SPHERE	651600 gallons				8760 hr/yr (All Year)
EQ1261	T-1912 - DILA ACETONITRILE STORAGE TANK	21100 gallons				8760 hr/yr (All Year)
EQ1262	T-1915 - METHANOL, ISOPRENE SPHERE, NORMAL	61200 gallons				8760 hr/yr (All Year)
EQ1263	T-1917 - BUTYLENE STORAGE SPHERE, NORMAL	519500 gallons				8760 hr/yr (All Year)
EQ1264	T-1919 - BUTENES, AMYLENES, & ISOPRENE SPHERE	250700 gallons				8760 hr/yr (All Year)
EQ1265	T-1921 - METHANOL, ISOPRENE STORAGE SPHERE, NORMAL	105700 gallons				8760 hr/yr (All Year)
EQ1266	T-1951 - CYCLICS STORAGE TANK	52200 gallons				8760 hr/yr (All Year)
EQ1267	T-1952 - CYCLICS STORAGE TANK	54300 gallons				8760 hr/yr (All Year)

INVENTORIES

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQI269	T-3054 - DARLA ENB STORAGE VESSEL	29300 gallons				8760 hr/yr (All Year)
EQI271	T-3192 - DARLA TOLUENE STORAGE DRUM (BZD-810)	8800 gallons				8760 hr/yr (All Year)
EQI276	T-3199 - CPLA HEAT TRANSFER FLUID DRUM (BXD-30)	7600 gallons				8760 hr/yr (All Year)
EQI281	T-3202 - BELA-5 1,2 BUTADIENE STORAGE DRUM (BTD-101)	39400 gallons				8760 hr/yr (All Year)
EQI283	T-3204 - BELA-5 COMPRESSOR LUBE OIL (BAD-23)	740 gallons				8760 hr/yr (All Year)
EQI284	T-3205 - BPLA WATER DISENGAGING DRUM, BSD-102	1600 gallons				8760 hr/yr (All Year)
EQI285	T-3206 - DARLA FEED DRUM (BRD-100)	1200 gallons				8760 hr/yr (All Year)
EQI286	T-3207 - DARLA OFF TEST DRUM (BCD-602)	8700 gallons				8760 hr/yr (All Year)
EQI287	T-3208 - DARLA STEAM CRACKING DRUM, BZD-803	12100 gallons				8760 hr/yr (All Year)
EQI288	T-3209 - BELA-5 PURIFIED SOLVENT (BBD-54)	3300 gallons				8760 hr/yr (All Year)
EQI289	T-3210 - BELA-5 SOLVENT DRUM (BBD-53A)	7500 gallons				8760 hr/yr (All Year)
EQI290	T-3211 - BELA-5 SOLVENT DRUM (BBD-53B)	750 gallons				8760 hr/yr (All Year)
EQI291	T-3217 - CPLA FEED DRUM (BXD-02)	31200 gallons				8760 hr/yr (All Year)
EQI293	V-190 - BPLA METHANOL RECOVERY TOWER (BST-04)					8760 hr/yr (All Year)
EQI294	V-210 - BPLA ISOBUTYLENE PURIFICATION (BPT-10)					8760 hr/yr (All Year)
EQI295	V-211 - BPLA SYNTHESIS TOWER (BST-02)					8760 hr/yr (All Year)
EQI296	V-229 - BPLA SCRUBBERS, BST-01.03, BPT-08, 11					8760 hr/yr (All Year)
EQI297	V-230 - BPLA GUARD AND DECOMPOSITION REACTORS					8760 hr/yr (All Year)
EQI298	V-240 - DILA SCRUBBER TOWERS (BDT-05, -06, -12)					8760 hr/yr (All Year)
EQI299	V-279 - CPLA REACTOR/SEPARATORS (BXR-01, BXD-01, 10)					8760 hr/yr (All Year)
EQI300	V-280 - CPLA FRACTIONATOR (BXT-01)					8760 hr/yr (All Year)
EQI301	V-296 - DARLA DIELS-ALDER REACTOR (BRR-101, BRD-101)					8760 hr/yr (All Year)
EQI302	V-297 - DARLA FRACTIONATION TOWERS (BFT-01, -02, -03)					8760 hr/yr (All Year)
EQI303	V-35 - BELA-5 COMPRESSOR LUBE OIL STRIPPER (BAD-26)					8760 hr/yr (All Year)
EQI304	V-359 - BELA-5 CONDENSATE DRUM (BBD-902)					8760 hr/yr (All Year)
EQI305	V-361 - BELA-5 TAR VACUUM HEATERS					8760 hr/yr (All Year)
EQI306	V-374 - BELA-5 SPHEREFIELD FLARE DRUM (BTD-28)					8760 hr/yr (All Year)
EQI307	V-385 - BELA-5 RECOVERY & TOPPING (BAT-05.06)					8760 hr/yr (All Year)
EQI308	V-386 - BELA-5 SOLVENT PURIFICATION TOWER (BBT-51)					8760 hr/yr (All Year)
EQI309	V-482 - DARLA ISOMERIZATION REACTOR (BCR-201)					8760 hr/yr (All Year)
EQI310	V-483 - CPLA ROPO STRIPPER TOWER (BXT-02)					8760 hr/yr (All Year)
EQI311	V-484 - CPLA UNIT FLARE DRUM (BZD-34)					8760 hr/yr (All Year)
EQI312	V-485 - BPLA HYDROGENATION REACTOR (BSR-301)					8760 hr/yr (All Year)
EQI313	V-486 - BPLA DISTILLATION (BPT-05, BPT-06, BPT-07)					8760 hr/yr (All Year)
EQI314	V-487 - BPLA UNIT FLARE DRUM (BZD-37)					8760 hr/yr (All Year)
EQI315	V-488 - DARLA SPENT CATALYST STRIPPER (BCD-301)					8760 hr/yr (All Year)
EQI316	V-489 - DARLA UNIT FLARE DRUM (BZD-901)					8760 hr/yr (All Year)

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT317	V-490 - BELA-5 DISTILLATION (BAT-01AB,03.07AB)					8760 hr/yr (All Year)
EQT318	V-491 - BELA-5 DISTILLATION TOWERS (BAT-02, BAT-04)					8760 hr/yr (All Year)
EQT319	V-492 - DILA DISTILLATION TOWERS (BDT-02,-04,-08X,-09X)					8760 hr/yr (All Year)
EQT320	V-493 - BELA-5 UNIT FLARE DRUM (BZD-104)					8760 hr/yr (All Year)
EQT321	V-495 - DILA DISTILLATION TOWERS (BDT-03,07,11X)					8760 hr/yr (All Year)
EQT322	V-497 - BELA-5 DMF BLOWDOWN DRUM (BZD-103)					8760 hr/yr (All Year)
EQT518	M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), A					8760 hr/yr (All Year)
EQT519	M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), A					(None Specified)
EQT572	T-1915 - METHANOL, ISOPRENE SPHERE, ALTERNATE	61200 gallons				(None Specified)
EQT573	T-1921 - METHANOL, ISOPRENE SPHERE, ALTERNATE	105700 gallons				8760 hr/yr (All Year)
FUG016	U-112 - COPRODUCTS UNITS FUGITIVE EMISSIONS					8760 hr/yr (All Year)
FUG017	U-117 - DILA UNIT ACN FUGITIVE EMISSIONS					8760 hr/yr (All Year)
FUG018	U-13 - CPLA UNIT FUGITIVE EMISSIONS					8760 hr/yr (All Year)
FUG019	U-46F - DILA LOADING FUGITIVE (BELA-5 & BPLA)					8760 hr/yr (All Year)
FUG020	U-47K - ACLA LOADING FUGITIVE (BELA-5, BPLA, CPLA)					8760 hr/yr (All Year)
RLP060	V-154A - DILA ACETONITRILE/WATER TANK (TK-1911)					8760 hr/yr (All Year)
RLP061	V-154B - DILA N2 STRIPPERS VENT					8760 hr/yr (All Year)
RLP063	V-162 - DARLA SPENT CATALYST TRANSFER BIN (BCD-302)					8760 hr/yr (All Year)
RLP064	V-163 - DARLA CATALYST BIN PURGE VENT (BCD-21)					8760 hr/yr (All Year)
RLP065	V-2260 - ACLA RACK RECOVERY CHILLER (CPLA)					8760 hr/yr (All Year)
RLP066	V-481 - COPRODUCTS CONDENSATE SYSTEMS					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP083	M-68 - SECONDARY WASTEWATER EMISSIONS (BPLA)	EQT242 M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), N
GRP083	M-68 - SECONDARY WASTEWATER EMISSIONS (BPLA)	EQT243 M-68-B - SECONDARY WASTEWATER (BPLA TO AWTT)
GRP083	M-68 - SECONDARY WASTEWATER EMISSIONS (BPLA)	EQT518 M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), A
GRP084	M-69 - SECONDARY WASTEWATER EMISSIONS (CPLA)	EQT244 M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), N
GRP084	M-69 - SECONDARY WASTEWATER EMISSIONS (CPLA)	EQT245 M-69-B - SECONDARY WASTEWATER (CPLA TO AWTT)
GRP084	M-69 - SECONDARY WASTEWATER EMISSIONS (CPLA)	EQT519 M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), A
GRP085	M-77 - SECONDARY WASTEWATER EMISSIONS (BELA-5)	EQT246 M-77-A - SECONDARY WASTEWATER (BELA-5 TO AWTT)
GRP085	M-77 - SECONDARY WASTEWATER EMISSIONS (BELA-5)	EQT247 M-77-B - SECONDARY WASTEWATER (BELA-5 TO WILA)
GRP086	M-78 - SECONDARY WASTEWATER EMISSIONS (DARLA INCL. DILA ACN)	EQT248 M-78-A - SECONDARY WASTEWATER (DARLA TO AWTT)
GRP086	M-78 - SECONDARY WASTEWATER EMISSIONS (DARLA INCL. DILA ACN)	EQT249 M-78-B - SECONDARY WASTEWATER (DARLA TO WILA)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT239 M-01B - LOADING-TANK TRUCKS/RAILCARS (BELA-5)

INVENTORIES

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960007
 Permit Number: 2367-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT240 M-01C - LOADING-TANK TRUCKS/RAILCARS (BPLA)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT241 M-01F - LOADING-TANK TRUCKS/RAILCARS (DILA)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT252 T-1661 - BUTADIENE PRODUCT STORAGE SPHERE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT253 T-1662 - BUTADIENE PRODUCT STORAGE SPHERE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT258 T-1747 - AMYLENE, BUTADIENE, & BUTENES STORAGE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT259 T-1749 - CRUDE BUTADIENE & BUTENES STORAGE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT260 T-1774 - ISOBUTYLENE STORAGE SPHERE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT262 T-1915 - METHANOL, ISOPRENE SPHERE, NORMAL
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT263 T-1917 - BUTYLENE STORAGE SPHERE, NORMAL
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT264 T-1919 - BUTENES, AMYLENES, & ISOPRENE SPHERE
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT265 T-1921 - METHANOL, ISOPRENE STORAGE SPHERE, NORMAL
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT269 T-3054 - DARLA ENB STORAGE VESSEL
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT278 T-3199 - CPLA HEAT TRANSFER FLUID DRUM (BXD-30)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT281 T-3202 - BELA-5 1,2 BUTADIENE STORAGE DRUM (BTD-101)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT284 T-3205 - BPLA WATER DISENGAGING DRUM, BSD-102
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT285 T-3206 - DARLA FEED DRUM (BRD-100)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT286 T-3207 - DARLA OFFTEST DRUM (BCD-602)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT287 T-3208 - DARLA STEAM CRACKING DRUM, BZD-803
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT288 T-3209 - BELA-5 PURIFIED SOLVENT (BBB-54)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT289 T-3210 - BELA-5 SOLVENT DRUM (BBB-53A)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT290 T-3211 - BELA-5 SOLVENT DRUM (BBB-53B)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT291 T-3217 - CPLA FEED DRUM (BXD-02)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT293 V-190 - BPLA METHANOL RECOVERY TOWER (BST-04)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT294 V-210 - BPLA ISOBUTYLENE PURIFICATION (BPT-10)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT295 V-211 - BPLA SYNTHESIS TOWER (BST-02)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT299 V-279 - CPLA REACTOR/SEPARATORS (BXR-01, BXD-01,10)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT300 V-280 - CPLA FRACTIONATOR (BXT-01)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT302 V-297 - DARLA FRACTIONATION TOWERS (BFT-01, -02, -03)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT303 V-35 - BELA-5 COMPRESSOR LUBE OIL STRIPPER (BAD-26)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT304 V-359 - BELA-5 CONDENSATE DRUM (BBB-902)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT305 V-361 - BELA-5 TAR VACUUM HEATERS
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT306 V-374 - BELA-5 SPHEREFIELD FLARE DRUM (BTD-28)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT307 V-385 - BELA-5 RECOVERY & TOPPING (BAT-05,06)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT308 V-386 - BELA-5 SOLVENT PURIFICATION TOWER (BBT-51)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT309 V-482 - DARLA ISOMERIZATION REACTOR (BCR-201)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT310 V-483 - CPLA ROPO STRIPPER TOWER (BXT-02)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT311 V-484 - CPLA UNIT FLARE DRUM (BZD-34)

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960007
 Permit Number: 2367-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT312 V-485 - BPLA HYDROGENATION REACTOR (BSR-301)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT314 V-487 - BPLA UNIT FLARE DRUM (BZD-37)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT315 V-488 - DARLA SPENT CATALYST STRIPPER (BCD-301)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT316 V-489 - DARLA UNIT FLARE DRUM (BZD-901)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT317 V-490 - BELA-5 DISTILLATION (BAT-01 AB.03.07AB)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT319 V-492 - DILA DISTILLATION TOWERS (BDT-02-.04-.08X-.09X)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT320 V-493 - BELA-5 UNIT FLARE DRUM (BZD-104)
GRP138	BRCP FLARE GAS RECOVERY SYSTEM	EQT322 V-497 - BELA-5 DMF BLOWDOWN DRUM (BZD-103)
GRP139	COPRODUCTS	EQT232 C-01B - GFLA1 COOLING TOWER (CPLA EMISSIONS)
GRP139	COPRODUCTS	EQT233 C-01D - GFLA1 COOLING TOWER (BPLA EMISSIONS)
GRP139	COPRODUCTS	EQT234 C-02A - GFLA3 COOLING TOWER (BPLA EMISSIONS)
GRP139	COPRODUCTS	EQT235 C-02D - GFLA3 COOLING TOWER (DARLA EMISSIONS)
GRP139	COPRODUCTS	EQT236 C-05B - EPLA-W COOLING TOWER (BELA-5 EMISSIONS)
GRP139	COPRODUCTS	EQT237 C-08J - GFLA-2/5/6 COOLING TOWERS (DILA BACKEND)
GRP139	COPRODUCTS	EQT238 M-01A - LOADING-TANK TRUCKS/RAILCARS (CPLA)
GRP139	COPRODUCTS	EQT239 M-01B - LOADING-TANK TRUCKS/RAILCARS (BELA-5)
GRP139	COPRODUCTS	EQT240 M-01C - LOADING-TANK TRUCKS/RAILCARS (BPLA)
GRP139	COPRODUCTS	EQT241 M-01F - LOADING-TANK TRUCKS/RAILCARS (DILA)
GRP139	COPRODUCTS	EQT250 S-78 - CPLA HOT OIL FURNACE (YF-01)
GRP139	COPRODUCTS	EQT251 T-1656 - CYCLICS PRODUCT STORAGE TANK
GRP139	COPRODUCTS	EQT252 T-1661 - BUTADIENE PRODUCT STORAGE SPHERE
GRP139	COPRODUCTS	EQT253 T-1662 - BUTADIENE PRODUCT STORAGE SPHERE
GRP139	COPRODUCTS	EQT254 T-1665 - CYCLICS PRODUCT STORAGE TANK
GRP139	COPRODUCTS	EQT255 T-1667 - CYCLICS PRODUCT RUNDOWN STORAGE TANK
GRP139	COPRODUCTS	EQT256 T-1668 - CYCLICS PRODUCT RUNDOWN STORAGE TANK
GRP139	COPRODUCTS	EQT257 T-1669 - CYCLICS PRODUCT STORAGE TANK
GRP139	COPRODUCTS	EQT258 T-1747 - AMYLENE, BUTADIENE, & BUTENES STORAGE
GRP139	COPRODUCTS	EQT259 T-1749 - CRUDE BUTADIENE & BUTENES STORAGE
GRP139	COPRODUCTS	EQT260 T-1774 - ISOBUTYLENE STORAGE SPHERE
GRP139	COPRODUCTS	EQT261 T-1912 - DILA ACETONITRILE STORAGE TANK
GRP139	COPRODUCTS	EQT262 T-1915 - METHANOL, ISOPRENE SPHERE, NORMAL
GRP139	COPRODUCTS	EQT263 T-1917 - BUTYLENE STORAGE SPHERE, NORMAL
GRP139	COPRODUCTS	EQT264 T-1919 - BUTENES, AMYLENES, & ISOPRENE SPHERE
GRP139	COPRODUCTS	EQT265 T-1921 - METHANOL, ISOPRENE STORAGE SPHERE, NORMAL
GRP139	COPRODUCTS	EQT266 T-1951 - CYCLICS STORAGE TANK
GRP139	COPRODUCTS	EQT267 T-1952 - CYCLICS STORAGE TANK
GRP139	COPRODUCTS	EQT269 T-3054 - DARLA ENB STORAGE VESSEL

INVENTORIES

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP139	COPRODUCTS	EQ1271 T-3192 - DARLA TOLUENE STORAGE DRUM (BZD-810)
GRP139	COPRODUCTS	EQ1278 T-3199 - CPLA HEAT TRANSFER FLUID DRUM (BXD-30)
GRP139	COPRODUCTS	EQ1281 T-3202 - BELA-5.1.2 BUTADIENE STORAGE DRUM (BTD-101)
GRP139	COPRODUCTS	EQ1283 T-3204 - BELA-5 COMPRESSOR LUBE OIL (BAD-23)
GRP139	COPRODUCTS	EQ1284 T-3205 - BPLA WATER DISENGAGING DRUM, BSD-102
GRP139	COPRODUCTS	EQ1285 T-3206 - DARLA FEED DRUM (BRD-100)
GRP139	COPRODUCTS	EQ1286 T-3207 - DARLA OFFTEST DRUM (BCD-602)
GRP139	COPRODUCTS	EQ1287 T-3208 - DARLA STEAM CRACKING DRUM, BZD-803
GRP139	COPRODUCTS	EQ1288 T-3209 - BELA-5 PURIFIED SOLVENT (BBD-54)
GRP139	COPRODUCTS	EQ1289 T-3210 - BELA-5 SOLVENT DRUM (BBD-53A)
GRP139	COPRODUCTS	EQ1290 T-3211 - BELA-5 SOLVENT DRUM (BBD-53B)
GRP139	COPRODUCTS	EQ1291 T-3217 - CPLA FEED DRUM (BXD-02)
GRP139	COPRODUCTS	EQ1293 V-190 - BPLA METHANOL RECOVERY TOWER (BST-04)
GRP139	COPRODUCTS	EQ1294 V-210 - BPLA ISOBUTYLENE PURIFICATION (BPT-10)
GRP139	COPRODUCTS	EQ1295 V-211 - BPLA SYNTHESIS TOWER (BST-02)
GRP139	COPRODUCTS	EQ1296 V-229 - BPLA SCRUBBERS, BST-01.03, BP T-08, 11
GRP139	COPRODUCTS	EQ1297 V-230 - BPLA GUARD AND DECOMPOSITION REACTORS
GRP139	COPRODUCTS	EQ1298 V-240 - DILA SCRUBBER TOWERS (BDT-05, -06, -12)
GRP139	COPRODUCTS	EQ1299 V-279 - CPLA REACTOR/SEPARATORS (BXR-01, BXD-01, 10)
GRP139	COPRODUCTS	EQ1300 V-280 - CPLA FRACTIONATOR (BXT-01)
GRP139	COPRODUCTS	EQ1301 V-296 - DARLA DIELS-ALDER REACTOR (BRR-101, BRD-101)
GRP139	COPRODUCTS	EQ1302 V-297 - DARLA FRACTIONATION TOWERS (BFT-01, -02, -03)
GRP139	COPRODUCTS	EQ1303 V-35 - BELA-5 COMPRESSOR LUBE OIL STRIPPER (BAD-26)
GRP139	COPRODUCTS	EQ1304 V-359 - BELA-5 CONDENSATE DRUM (BBD-902)
GRP139	COPRODUCTS	EQ1305 V-361 - BELA-5 TAR VACUUM HEATERS
GRP139	COPRODUCTS	EQ1306 V-374 - BELA-5 SPHEREFIELD FLARE DRUM (BTD-28)
GRP139	COPRODUCTS	EQ1307 V-385 - BELA-5 RECOVERY & TOPPING (BAT-05.06)
GRP139	COPRODUCTS	EQ1308 V-386 - BELA-5 SOLVENT PURIFICATION TOWER (BBT-51)
GRP139	COPRODUCTS	EQ1309 V-482 - DARLA ISOMERIZATION REACTOR (BCR-201)
GRP139	COPRODUCTS	EQ1310 V-483 - CPLA ROPO STRIPPER TOWER (BXT-02)
GRP139	COPRODUCTS	EQ1311 V-484 - CPLA UNIT FLARE DRUM (BZD-34)
GRP139	COPRODUCTS	EQ1312 V-485 - BPLA HYDROGENATION REACTOR (BSR-301)
GRP139	COPRODUCTS	EQ1313 V-486 - BPLA DISTILLATION (BPT-05, BPT-06, BPT-07)
GRP139	COPRODUCTS	EQ1314 V-487 - BPLA UNIT FLARE DRUM (BZD-37)
GRP139	COPRODUCTS	EQ1315 V-488 - DARLA SPENT CATALYST STRIPPER (BCD-301)
GRP139	COPRODUCTS	EQ1316 V-489 - DARLA UNIT FLARE DRUM (BZD-901)
GRP139	COPRODUCTS	EQ1317 V-490 - BELA-5 DISTILLATION (BAT-01A, 03, 07A, B)

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP139	COPRODUCTS	EQ1318 V-491 - BELA-5 DISTILLATION TOWERS (BAT-02, BAT-04)
GRP139	COPRODUCTS	EQ1319 V-492 - DILA DISTILLATION TOWERS (BDT-02, -04, -08X -09X)
GRP139	COPRODUCTS	EQ1320 V-493 - BELA-5 UNIT FLARE DRUM (BZD-104)
GRP139	COPRODUCTS	EQ1321 V-495 - DILA DISTILLATION TOWERS (BDT-03,07,11X)
GRP139	COPRODUCTS	EQ1322 V-497 - BELA-5 DMF BLOWDOWN DRUM (BZD-103)
GRP139	COPRODUCTS	EQ1518 M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), A
GRP139	COPRODUCTS	EQ1519 M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), A
GRP139	COPRODUCTS	EQ1572 T-1915 - METHANOL, ISOPRENE SPHERE, ALTERNATE
GRP139	COPRODUCTS	EQ1573 T-1921 - METHANOL, ISOPRENE SPHERE, ALTERNATE
GRP139	COPRODUCTS	FUG16 U-112 - COPRODUCTS UNITS FUGITIVE EMISSIONS
GRP139	COPRODUCTS	FUG17 U-117 - DILA UNIT ACN FUGITIVE EMISSIONS
GRP139	COPRODUCTS	FUG18 U-13 - CPLA UNIT FUGITIVE EMISSIONS
GRP139	COPRODUCTS	FUG19 U-46F - DILA LOADING FUGITIVE (BELA-5 & BPLA)
GRP139	COPRODUCTS	FUG20 U-47K - ACLA LOADING FUGITIVE (BELA-5, BPLA, CPLA)
GRP139	COPRODUCTS	GRP83 M-68 - SECONDARY WASTEWATER EMISSIONS (BPLA)
GRP139	COPRODUCTS	GRP84 M-69 - SECONDARY WASTEWATER EMISSIONS (CPLA)
GRP139	COPRODUCTS	GRP85 M-77 - SECONDARY WASTEWATER EMISSIONS (BELA-5)
GRP139	COPRODUCTS	GRP86 M-78 - SECONDARY WASTEWATER EMISSIONS (DARLA INCL. DILA ACN)
GRP139	COPRODUCTS	GRP143 V-154 - DILA ACN RECOVERY(BDD-301,303)
GRP139	COPRODUCTS	RLP63 V-162 - DARLA SPENT CATALYST TRANSFER BIN (BCD-302)
GRP139	COPRODUCTS	RLP64 V-163 - DARLA CATALYST BIN PURGE VENT (BCD-21)
GRP139	COPRODUCTS	RLP65 V-226D - ACLA RACK RECOVERY CHILLER (CPLA)
GRP139	COPRODUCTS	RLP66 V-481 - COPRODUCTS CONDENSATE SYSTEMS
GRP142	POTENTIAL NSPS Kb TANKS	EQ1254 T-1665 - CYCLICS PRODUCT STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1255 T-1667 - CYCLICS PRODUCT RUNDOWN STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1256 T-1668 - CYCLICS PRODUCT RUNDOWN STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1257 T-1669 - CYCLICS PRODUCT STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1261 T-1912 - DILA ACETONITRILE STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1266 T-1951 - CYCLICS STORAGE TANK
GRP142	POTENTIAL NSPS Kb TANKS	EQ1267 T-1952 - CYCLICS STORAGE TANK
GRP143	V-154 - DILA ACN RECOVERY(BDD-301,303)	RLP60 V-154A - DILA ACETONITRILE WATER TANK (TK-1911)
GRP143	V-154 - DILA ACN RECOVERY(BDD-301,303)	RLP61 V-154B - DILAN2 STRIPPER VENT
GRP143	V-154 - DILA ACN RECOVERY(BDD-301,303)	RLP62 V-154C - DILA SCRUBBERS VENT

Relationships:

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960007
 Permit Number: 2367-V0
 Air - Title V Regular Permit Initial

Stack Information:	ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
	EQ1232						
	EQ1233	29		59		72	
	EQ1234	29		59		72	
	EQ1235	33		68		47	
	EQ1236	33		68		47	
	EQ1237	46		69		71	
	EQ1250	31		78		57	
	EQ1251	28	6780	2.3		95	625
	EQ1252			30		24	
	EQ1253			30		34	
	EQ1254			30		34	
	EQ1255			40		32	
	EQ1256			15		24	
	EQ1257			15		24	
	EQ1258			30		40	
	EQ1259			28		32	
	EQ1260			51		55	
	EQ1261			55		59	
	EQ1262			15		16	
	EQ1263			25		29	
	EQ1264			51		55	
	EQ1265			41		45	
	EQ1266			30		34	
	EQ1267			19.25		24	
	EQ1269			19.5		24.3	
	EQ1271			12		35	
	EQ1278			9		34	
	EQ1281			6		55	
	EQ1283			10		67	
	EQ1284			5		6	
	EQ1285			5		20	
	EQ1286			4		32	
	EQ1287			9		26	
	EQ1288			9		34	
	EQ1289			6		9	
	EQ1290			8		25	
	EQ1291			4		0	
	EQ1303			12		18	
	EQ1572			25		29	
	EQ1573			30		34	
	RLP063			5		62	
	RLP064	14	10	13		100	72

INVENTORIES

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Fee Information:

Subj Item Id	Multipier	Units Of Measure	Fee Desc
GRP139	22	MM Lb/Yr	0610 - Styrene Monomer (Rated Capacity)
	40	MM Lb/Yr	0690 - Chemical and Chemical Prep. N.E.C. (Rated Capacity)
	735	MM Lb/Yr	0635 - Olefins and Aromatics N.E.C. (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 232 C-01B	1.7	2.5	7.65										0.56		2.47
EQT 233 C-01D	0.11	0.15	0.46										0.03		0.15
EQT 234 C-02A	1.3	2.4	5.7										0.42		1.84
EQT 235 C-02D	2.9	5.3	12.68												
EQT 236 C-05B	2.6	4.2	11.4										0.84		3.68
EQT 237 C-08J													0.19		0.81
EQT 238 M-01A													1.2		5.24
EQT 250 S-78	0.13	0.16	0.55	0.003	8.9	0.01	1.7	2	7.3	1.4	1.7	6.13	0.09	0.11	0.4
EQT 251 T-1656													0.56		2.46
EQT 254 T-1665													0.39		1.69
EQT 255 T-1667													0.52		2.28
EQT 256 T-1668													0.52		2.28
EQT 257 T-1669													1.1		4.78
EQT 261 T-1912													0.02		0.08
EQT 266 T-1951													0.33		1.46
EQT 267 T-1952													0.34		1.49
EQT 283 T-3204													0.04		0.18
FUG 016 U-112													9.4		41.06

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960007
 Permit Number: 2367-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 017													0.29		1.26
U-117															
FUG 018													0.67		2.95
U-13															
FUG 019													0.09		0.42
U-46F															
FUG 020													0.16		0.71
U-47K															
GRP 083													0.26		1.13
M-58															
GRP 084													0.03		0.11
M-59															
GRP 085													0.31		1.34
M-77															
GRP 086													0.25		1.11
M-78															
GRP 143													0.25	6.3	1.09
V-154															
RLP 063	0.01	0.08	0.06												
V-162															
RLP 064	0.002	0.1	0.01										0.002	0.1	0.01
V-163															
RLP 065													0.23	7.8	1.02
V-225D															
RLP 066													2.4	2.7	10.34
V-481															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 38.51 tons/yr

SO2: 0.01 tons/yr

NOx: 7.3 tons/yr

CO: 6.13 tons/yr

VOC: 93.84 tons/yr

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	1,3-Butadiene			Acetonitrile			Benzene			Carbon disulfide			Dimethyl formamide		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 232 C-018							0.002		0.002						
EQT 233 C-010															
EQT 234 C-02A	0.002		0.001												
EQT 236 C-058	0.52		2.28										0.15		0.68
EQT 237 C-08J				0.1		0.42									
EQT 238 M-01A							0.01		0.01						
EQT 251 T-1656							0.01		0.04						
EQT 254 T-1665							0.02		0.07						
EQT 255 T-1667	0.06		0.28				0.01		0.04						
EQT 256 T-1668	0.06		0.28				0.01		0.04						
EQT 257 T-1669	0.14		0.6				0.01		0.05						
EQT 261 T-1912				0.02		0.08									
EQT 266 T-1951							0.01		0.03						
EQT 267 T-1952							0.01		0.03						
EQT 283 T-3204	0.04		0.15										0.002		0.01
FUG 016 U-112	2.2		9.79				0.002		0.01				1.9		8.4
FUG 017 U-117				0.29		1.26									
FUG 018 U-13	0.002		0.01				0.002		0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ethyl benzene			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 232 C-01B															
EQT 233 C-01D				0.02		0.1									
EQT 234 C-02A				0.03		0.13	0.06		0.27						
EQT 236 C-05B															
EQT 237 C-08J															
EQT 238 M-01A	0.05		0.23												
EQT 251 T-1656	0.03		0.12												
EQT 254 T-1665	0.02		0.08												
EQT 255 T-1667	0.02		0.07												
EQT 256 T-1688	0.02		0.07												
EQT 257 T-1669	0.04		0.17												
EQT 261 T-1912															
EQT 266 T-1951	0.02		0.07												
EQT 267 T-1952	0.02		0.07												
EQT 283 T-3204															
FUG 016 U-112				0.42		1.83	0.47		2.08			0.01			
FUG 017 U-117															
FUG 018 U-13	0.002		0.01										0.004		0.02

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Styrene			Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 232				0.002		0.01						
C-01B												
EQT 233												
C-01D										0.002		0.01
EQT 234												
C-02A												
EQT 236												
C-05B												
EQT 237												
C-08J												
EQT 238	0.02		0.08	0.02		0.1	0.12		0.53			
M-01A												
EQT 251	0.01		0.04	0.01		0.05	0.06		0.27			
T-1656												
EQT 254	0.01		0.03	0.01		0.03	0.04		0.18			
T-1665												
EQT 255	0.006		0.02	0.01		0.03	0.04		0.17			
T-1667												
EQT 256	0.006		0.02	0.01		0.03	0.04		0.17			
T-1668												
EQT 257	0.01		0.06	0.02		0.07	0.09		0.39			
T-1669												
EQT 261												
T-1912												
EQT 266	0.01		0.02	0.01		0.03	0.04		0.16			
T-1951												
EQT 267	0.01		0.02	0.01		0.03	0.04		0.16			
T-1952												
EQT 283												
T-3204												
FUG 016				0.29		1.26	0.002		0.01	0.002		0.01
U-112												
FUG 017												
U-117												
FUG 018	0.002		0.01	0.002		0.01	0.03		0.12			
U-13												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	1,3-Butadiene			Acetonitrile			Benzene			Carbon disulfide			Dimethyl formamide		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 019 U-46F	0.002		0.01	0.002		0.01							0.01		0.03
FUG 020 U-47K	0.02		0.08				0.002		0.01						
GRP 083 M-68	0.01		0.04				0.002		0.01						
GRP 084 M-69	0.002		0.01				0.002		0.01						
GRP 085 M-77	0.14		0.6				0.002		0.01				0.11		0.48
GRP 086 M-78	0.02		0.1	0.06		0.25	0.002		0.01						
GRP 143 V-154	0.002	1	0.01	0.24	1.3	1.07					0.002	1			0.01
RLP 065 V-228D	0.02	0.89	0.09				0.002	0.1	0.01						
RLP 066 V-481	0.002	0.1	0.01	0.12	0.12	0.52	0.03	0.1	0.13		0.002	0.1			0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ethyl benzene			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 019 U-46F				0.02		0.1	0.01		0.05						
FUG 020 U-47K				0.01		0.03	0.01		0.03						
GRP 083 M-68				0.04		0.17	0.04		0.17			0.01			
GRP 084 M-68	0.002		0.01										0.002		0.01
GRP 085 M-77				0.002		0.01									
GRP 086 M-78															
GRP 143 V-154	0.002	1	0.01												
RLP 065 V-2260	0.005	0.12	0.02												
RLP 066 V-481				0.28	0.32	1.23	0.38	0.43	1.65						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960007
 Permit Number: 2367-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Styrene			Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 019 U-46F												
FUG 020 U-47K			0.01	0.002		0.01	0.004		0.02			
GRP 083 M-88										0.002		0.01
GRP 084 M-89	0.002		0.01	0.002		0.01	0.002		0.01			
GRP 085 M-77				0.002		0.01	0.002		0.01	0.002		0.01
GRP 086 M-78				0.03		0.11						
GRP 143 V-154												
RLP 065 V-226D	0.002	0.1	0.01	0.002	0.1	0.01	0.01	0.28	0.05			
RLP 066 V-481				0.002	0.1	0.01				0.01	0.1	0.03

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,3-Butadiene: 14.35 tons/yr
- Acetonitrile: 3.61 tons/yr
- Benzene: 0.59 tons/yr
- Dimethyl formamide: 9.6 tons/yr
- Ethyl benzene: 0.93 tons/yr
- Methanol: 3.60 tons/yr
- Methyl ethyl ketone: 0.02 tons/yr
- Methyl Tertiary Butyl Ether: 4.25 tons/yr
- n-Hexane: 0.07 tons/yr
- Naphthalene: 0.03 tons/yr
- Styrene: 0.32 tons/yr
- Toluene: 1.81 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

All phases

Xylene (mixed isomers): 2.26 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQ232 C-01B - GFLA-1 COOLING TOWER (CPLA EMISSIONS)

- 1 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Equip with gas detectors and alarms to alert unit operations when gas collects in the vapor space of the cooling tower water return line. Repair all detected leaks as soon as practical. Above detection system for leaks is determined as MACT. [LAC 33:III.5109.A]
- 2 Maintain records of each event in which a leak was detected and of the actions taken for repair. [LAC 33:III.5109]

EQ233 C-01D - GFLA-1 COOLING TOWER (BPLA EMISSIONS)

- 3 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This source emits only Class III TAPs. MACT is not required. [LAC 33:III.5109.A]
- 4 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 5 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 6 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 7 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 8 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

EQ234 C-02A - GFLA-3 COOLING TOWER (BPLA EMISSIONS)

- 9 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart F, HON requirements for heat exchange systems is determined as MACT. [LAC 33:III.5109.A]
- 10 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 11 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT234 C-02A - GFLA-3 COOLING TOWER (BPLA EMISSIONS)

- 12 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 13 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 14 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

EQT236 C-05B - EPLA-W COOLING TOWER (BELA-5 EMISSIONS)

- 15 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart F, HON requirements for heat exchange systems is determined as MACT. [LAC 33:III.5109.A]
- 16 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more specified HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 17 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 18 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 19 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 20 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

EQT237 C-08J - GFLA-2/5/6 COOLING TOWERS (DILA BACKEND)

- 21 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Equip with gas detectors and alarms to alert unit operations when gas collects in the vapor space of the cooling tower water return line. Repair all detected leaks as soon as practical. Above detection system for leaks is determined as MACT. [LAC 33:III.5109.A]
- 22 Maintain records of each event in which a leak was detected and of the actions taken for repair. [LAC 33:III.5109]

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

EQT238 M-01A - LOADING-TANK TRUCKS/RAILCARS (CPLA)

- 23 VOC, Total: Throughput recordkeeping by electronic or hard copy daily. [LAC 33:III.2107.D.1]
- 24 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The source transfers material with a HAP vapor pressure <10.3 kPa(1.5 psia). No control is determined as MACT. [LAC 33:III.5109.A]

EQT239 M-01B - LOADING-TANK TRUCKS/RAILCARS (BELA-5)

- 25 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]
- 26 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified
- 27 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]
- 28 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified
- 29 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]
- 30 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]
- 31 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.3-4. [LAC 33:III.2107.D]
- 32 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart G, HON requirements for transfer operations is determined as MACT. [LAC 33:III.5109.A]
- 33 Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]
- 34 Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]
- 35 Vent system: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any by-pass line that could divert the vent stream away from the control device to the atmosphere. Subpart G. [40 CFR 63.127(d)(1)]
Which Months: All Year Statistical Basis: None specified
- 36 Vent system: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the by-pass line. Subpart G. [40 CFR 63.127(d)(2)(i)]
Which Months: All Year Statistical Basis: None specified
- 37 Vent system: If car-seal has been broken or valve position changed, record that the vent stream has been diverted. Return the car-seal or lock-and-key combination to the secured position as soon as practicable but not later than 15 calendar days after the change is position is detected. Subpart G. [40 CFR 63.127(d)(2)(ii)]
- 38 Vent system: Secure the by-pass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.127(d)(2)]
- 39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.129(a) through (f). Subpart G. [40 CFR 63.129]
- 40 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQ239 M-01B - LOADING-TANK TRUCKS/RAILCARS (BELA-5)

41 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

EQ240 M-01C - LOADING-TANK TRUCKS/RAILCARS (BPLA)

42 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]

43 VOC, Total \geq 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]

Which Months: All Year Statistical Basis: None specified

44 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or recycling system. [LAC 33:III.2107.B]

45 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]

Which Months: All Year Statistical Basis: None specified

46 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

47 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

48 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.3-4. [LAC 33:III.2107.D]

49 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The source is classified as Group 2 transfer rack per 40 CFR 63 Subpart G. The source transfers material with a HAP vapor pressure < 10.3 kPa (1.5 psia). No control is determined as MACT. [LAC 33:III.5109.A]

50 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

EQ241 M-01F - LOADING-TANK TRUCKS/RAILCARS (DILA)

51 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]

52 VOC, Total \geq 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]

Which Months: All Year Statistical Basis: None specified

53 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or recycling system. [LAC 33:III.2107.B]

54 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]

Which Months: All Year Statistical Basis: None specified

55 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

56 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

EQT241 **M-01F - LOADING-TANK TRUCKS/RAILCARS (DILA)**

- 57 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.3-4. [LAC 33:III.2107.D]
- 58 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This source emits only Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT242 **M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), N**

- 59 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 60 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]
- 61 Individual Drain Systems: Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 62 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: None specified
- 63 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 64 Waste stream: Benzene < 10 ppmw (flow-weighted). Subpart FF. [40 CFR 61.348(a)(1)(i)]
Which Months: All Year Statistical Basis: Annual average
- 65 Waste stream: Benzene >= 99 % removal efficiency on a mass basis. Subpart FF. [40 CFR 61.348(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 66 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 67 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 68 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 69 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 70 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 71 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQT243 **M-68-B - SECONDARY WASTEWATER (BPLA TO AWT)**

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT243 M-68-B - SECONDARY WASTEWATER (BPLA TO AWT)

- 72 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]
- 73 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 74 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 75 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]
- 76 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 77 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQT244 M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), N

- 78 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 79 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is to design, install, operate and maintain a treatment process that removes benzene from the waste stream to <10 ppmw on a flow-weighted basis or remove by 99% or more on a mass basis in accordance with 40 CFR 61.348(a)(1). [LAC 33:III.5109.A]
- 80 Waste stream: Benzene < 10 ppmw (flow-weighted). Subpart FF. [40 CFR 61.348(a)(1)(i)]
Which Months: All Year Statistical Basis: Annual average
- 81 Waste stream: Benzene >= 99 % removal efficiency on a mass basis. Subpart FF. [40 CFR 61.348(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

EQT245 M-69-B - SECONDARY WASTEWATER (CPLA TO AWT)

- 82 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The benzene-containing wastestreams entering this source contain <10 ppmw benzene on a flow-weighted annual average basis per 40 CFR 61 Subpart FF. No control is determined as MACT. [LAC 33:III.5109.A]
- 83 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 84 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 85 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

EQT246 M-77-A - SECONDARY WASTEWATER (BELA-5 TO AWT)

- 86 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQ1246 M-77-A - SECONDARY WASTEWATER (BELA-5 TO AWT)

- 87 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 88 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 89 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]
- 90 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 91 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQ1247 M-77-B - SECONDARY WASTEWATER (BELA-5 TO WILA)

- 92 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of 9 HAPs. [LAC 33:III.5109.A]
- 93 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 94 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 95 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]
- 96 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 97 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQ1248 M-78-A - SECONDARY WASTEWATER (DARLA TO AWT)

- 98 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records, for at least five years, of the items listed in LAC 33:III.2153.F.1 through F.4, and make available upon request to representatives of DEQ, the U.S. Environmental Protection Agency, or any local air pollution control agency having jurisdiction in the area. [LAC 33:III.2153.F]
- 99 Maintain records to verify exemption from LAC 33:III.2153 and demonstrate the characteristics of the stream. [LAC 33:III.2153.G.6]
- 100 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]
- 101 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 102 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 103 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT249 M-78-B - SECONDARY WASTEWATER (DARLA TO WILA)

- 104 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]
- 105 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]
- 106 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]
- 107 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

EQT250 S-78 - CPLA HOT OIL FURNACE (YF-01)

- 108 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 109 Fuel-burning equipment: Do not cause, suffer, allow or permit the emission of particulate matter to the atmosphere in excess of 0.6 pounds per 10⁶ BTU of heat input from any fuel burning equipment utilized for the primary purpose of producing steam, hot water, hot air or other indirect heating of liquids, gases, or solids where the products of combustion do not have direct contact with process materials. [LAC 33:III.1313.C]
- 110 Maintain records to verify exemption from LAC 33:III.1503. Keep records on site and available for inspection. An alternate site to store records may be used with prior approval. [LAC 33:III.1513]
- 111 Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
Which Months: All Year Statistical Basis: None specified
- 112 Continuously monitor the temperature and maintain records of the hourly average temperatures for each combustion unit. Provide documentation of all one-hour periods when the unit was not in operation, BRCP Alternate Monitoring Plan dated 5/20/91, Subpart NNN. [40 CFR 60]
- 113 Report semi-annually, all one-hour periods when the combustion device was not in operation and any change that affects compliance, BRCP Alternate Monitoring Plan dated 5/20/91, Subpart NNN. [40 CFR 60]
- 114 There are no emission limits or work practice standards for existing boilers and process heaters that burn gaseous fuels only. The affected source must comply only with the Initial Notification requirements in 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT251 T-1656 - CYCLICS PRODUCT STORAGE TANK

- 115 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 116 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 117 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT254 T-1665 - CYCLICS PRODUCT STORAGE TANK

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT254 T-1665 - CYCLICS PRODUCT STORAGE TANK

- 118 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 119 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 120 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT255 T-1667 - CYCLICS PRODUCT RUNDOWN STORAGE TANK

- 121 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 122 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 123 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT256 T-1668 - CYCLICS PRODUCT RUNDOWN STORAGE TANK

- 124 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 125 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 126 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT257 T-1669 - CYCLICS PRODUCT STORAGE TANK

- 127 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 128 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 129 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT261 T-1912 - DILA ACETONITRILE STORAGE TANK

- 130 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
- 131 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 132 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is to reduce emissions by maintaining HAP vapor pressure <1.9 psia or control emissions with a carbon canister. The carbon canister will control during periods where the vapor pressure is >1.9 psia. [LAC 33:III.5109.A]

EQT262 T-1915 - METHANOL, ISOPRENE SPHERE, NORMAL

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT262 T-1915 - METHANOL, ISOPRENE SPHERE, NORMAL

- 133 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.A]
- 134 VOC, Total \geq 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]
- Which Months: All Year Statistical Basis: None specified
- 135 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 136 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 137 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]
- 138 Inlet emissions: Organic HAP \geq 95 % reduction, except as provided in 40 CFR 63.119(e)(2). If a flare is used, it shall meet the specifications described in the general control device requirements of 40 CFR 63.111 (b). Subpart G. [40 CFR 63.119(e)(1)]
- Which Months: All Year Statistical Basis: None specified
- 139 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 140 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group I status and is in operation. Subpart G. [40 CFR 63.123]

EQT265 T-1921 - METHANOL, ISOPRENE STORAGE SPHERE, NORMAL

- 141 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.A]
- 142 VOC, Total \geq 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]
- Which Months: All Year Statistical Basis: None specified
- 143 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 144 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 145 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]
- 146 Inlet emissions: Organic HAP \geq 95 % reduction, except as provided in 40 CFR 63.119(e)(2). If a flare is used, it shall meet the specifications described in the general control device requirements of 40 CFR 63.111 (b). Subpart G. [40 CFR 63.119(e)(1)]
- Which Months: All Year Statistical Basis: None specified
- 147 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 148 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group I status and is in operation. Subpart G. [40 CFR 63.123]

EQT266 T-1951 - CYCLICS STORAGE TANK

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT266 T-1951 - CYCLICS STORAGE TANK

- 149 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 150 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 151 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT267 T-1952 - CYCLICS STORAGE TANK

- 152 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 153 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 154 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

EQT269 T-3054 - DARLA ENB STORAGE VESSEL

- 155 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 156 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 157 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Does not meet the conditions specified in Table 2 or Table 3 for surge control vessels and bottoms receivers in 40 CFR Part 63 Subpart H. No control is determined as state MACT. [LAC 33:III.5109.A]

EQT271 T-3192 - DARLA TOLUENE STORAGE DRUM (BZD-810)

- 158 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 159 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 160 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT278 T-3199 - CPLA HEAT TRANSFER FLUID DRUM (BXD-30)

- 161 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 162 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT283 T-3204 - BELA-5 COMPRESSOR LUBE OIL (BAD-23)

- 163 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 164 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

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EQT283 T-3204 - BELA-5 COMPRESSOR LUBE OIL (BAD-23)

165 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Does not meet the conditions specified in Table 2 or Table 3 for surge control vessels and bottoms receivers in 40 CFR Part 63 Subpart H. No control is determined as state MACT. [LAC 33:III.5109.A]

EQT284 T-3205 - BPLA WATER DISENGAGING DRUM, BSD-102

- 166 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 167 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 168 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT285 T-3206 - DARLA FEED DRUM (BRD-100)

- 169 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 170 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 171 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Does not meet the conditions specified in Table 2 or Table 3 for surge control vessels and bottoms receivers in 40 CFR Part 63 Subpart H. No control is determined as state MACT. [LAC 33:III.5109.A]
- 172 This source is subject to 40 CFR 63, Subpart I for the production of ethylidene norbornene listed in 40 CFR 63.192(b)(6)(v). Existing sources must comply with the equipment leak requirements of Subpart H of 40 CFR 63. [40 CFR 63.190(b)(6)v]

EQT286 T-3207 - DARLA OFFTEST DRUM (BCD-602)

- 173 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 174 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 175 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Does not meet the conditions specified in Table 2 or Table 3 for surge control vessels and bottoms receivers in 40 CFR Part 63 Subpart H. No control is determined as state MACT. [LAC 33:III.5109.A]
- 176 This source is subject to 40 CFR 63, Subpart I for the production of ethylidene norbornene listed in 40 CFR 63.192(b)(6)(v). Existing sources must comply with the equipment leak requirements of Subpart H of 40 CFR 63. [40 CFR 63.190(b)(6)v]

EQT287 T-3208 - DARLA STEAM CRACKING DRUM, BZD-803

- 177 Equip with a vapor loss control system capable of reducing emissions by 95%. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. These requirements do not apply during planned routine maintenance, which shall not exceed 240 hours per year. [LAC 33:III.2103.A]
- 178 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 179 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Does not meet the conditions specified in Table 2 or Table 3 for surge control vessels and bottoms receivers in 40 CFR Part 63 Subpart H. No control is determined as state MACT. [LAC 33:III.5109.A]
- 180 This source is subject to 40 CFR 63, Subpart I for the production of ethylidene norbornene listed in 40 CFR 63.192(b)(6)(v). Existing sources must comply with the equipment leak requirements of Subpart H of 40 CFR 63. [40 CFR 63.190(b)(6)v]

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AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
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EQT288 T-3209 - BELA-5 PURIFIED SOLVENT (BBD-54)

- 181 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 182 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- Which Months: All Year Statistical Basis: None specified
- 183 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]
- 184 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is controlled using a vapor recovery system that meets 95% required efficiency for tank per LAC 33:III.2103. [LAC 33:III.5109.A]

EQT289 T-3210 - BELA-5 SOLVENT DRUM (BBD-53A)

- 185 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 186 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- Which Months: All Year Statistical Basis: None specified
- 187 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]
- 188 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is controlled using a vapor recovery system that meets 95% required efficiency for tank per LAC 33:III.2103. [LAC 33:III.5109.A]

EQT290 T-3211 - BELA-5 SOLVENT DRUM (BBD-53B)

- 189 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 190 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- Which Months: All Year Statistical Basis: None specified
- 191 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]
- 192 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is controlled using a vapor recovery system that meets 95% required efficiency for tank per LAC 33:III.2103. [LAC 33:III.5109.A]

EQT291 T-3217 - CPLA FEED DRUM (BXD-02)

- 193 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 194 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]

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AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
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EQT291 T-3217 - CPLA FEED DRUM (BXD-02)

195 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT293 V-190 - BPLA METHANOL RECOVERY TOWER (BST-04)

196 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

197 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

198 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

199 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

200 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

201 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT294 V-210 - BPLA ISOBUTYLENE PURIFICATION(BPT-10)

202 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]

Which Months: All Year Statistical Basis: None specified

203 Continuously monitor the flow indicator of the vent stream. Maintain records of the hourly average vent flow indications, BRCP Alternate Monitoring Plan dated 5/20/91, Subpart NNN. [40 CFR 60]

204 Report semi-annually: all periods when a vent stream is diverted from the specified control device or has no flow and any change in process equipment or operation that affects compliance, BRCP Alternate Monitoring Plan dated 5/20/91, Subpart NNN. [40 CFR 60]

205 Maintain the shutdown systems in good working order and maintain records of any problems with each system, BRCP Alternate Monitoring Plan dated 5/20/91, Subpart NNN. [40 CFR 60]

EQT295 V-211 - BPLA SYNTHESIS TOWER (BST-02)

206 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

207 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

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EQ1295 V-211 - BPLA SYNTHESIS TOWER (BST-02)

- 208 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
Which Months: All Year Statistical Basis: None specified
- 209 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 210 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 211 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQ1299 V-279 - CPLA REACTOR/SEPARATORS (BXR-01, BXD-01, 10)

- 212 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 213 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 214 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to control the emissions to 95% destruction removal efficiency or 50 ppmv is determined as MACT. [LAC 33:III.5109.A]

EQ1300 V-280 - CPLA FRACTIONATOR (BXT-01)

- 215 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 216 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 217 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to control the emissions to 95% destruction removal efficiency or 50 ppmv is determined as MACT. [LAC 33:III.5109.A]

EQ1302 V-297 - DARLA FRACTIONATION TOWERS (BFT-01, -02, -03)

- 218 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

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EQT302 V-297 - DARLA FRACTIONATION TOWERS (BFT-01, -02, -03)

219 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115. K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

220 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to control the emissions to 95% destruction removal efficiency or 50 ppmv is determined as MACT. [LAC 33:III.5109.A]

EQT303 V-35 - BELA-5 COMPRESSOR LUBE OIL STRIPPER (BAD-26)

221 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

222 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

223 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

224 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

225 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

226 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

227 Report in the Periodic Report each instance when the carseal is broken, the bypass line valve is changed, or the vent stream is diverted to the atmosphere. [40 CFR 63.118(f)(3)]

EQT304 V-359 - BELA-5 CONDENSATE DRUM (BBD-902)

228 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

229 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

230 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

231 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

232 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

233 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT305 V-361 - BELA-5 TAR VACUUM HEATERS

- 234 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]
- 235 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 236 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 237 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 238 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 239 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT306 V-374 - BELA-5 SPHEREFIELD FLARE DRUM (BTD-28)

- 240 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records, for at least five years, of the items listed in LAC 33:III.2153.F.1 through F.4, and make available upon request to representatives of DEQ, the U.S. Environmental Protection Agency, or any local air pollution control agency having jurisdiction in the area. [LAC 33:III.2153.F]
- 241 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]
- 242 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 243 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 244 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 245 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 246 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT307 V-385 - BELA-5 RECOVERY & TOPPING (BAT-05,06)

- 247 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

EQT307 V-385 - BELA-5 RECOVERY & TOPPING (BAT-05,06)

248 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

249 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

250 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

251 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

252 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT308 V-386 - BELA-5 SOLVENT PURIFICATION TOWER (BBT-51)

253 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

254 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

255 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

256 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

257 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

258 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT309 V-482 - DARLA ISOMERIZATION REACTOR (BCR-201)

259 VOC, Total \geq 90 % reduction if the actual average flow rate value (in the units of scfm) is below the value of FR calculated using the applicable RACT equation for the volatility range (low, moderate or high) of the material being emitted when the annual mass emission total, in the units of pounds per year, are input. Use the RACT equation specified in LAC 33:III.2149.C.1. [LAC 33:III.2149.C]

Which Months: All Year Statistical Basis: None specified

260 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to reduce the VOC mass emission rate by 90% is determined as MACT. [LAC 33:III.5109.A]

EQT310 V-483 - CPLA ROPO STRIPPER TOWER (BXT-02)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT310 V-483 - CPLA ROPO STRIPPER TOWER (BXT-02)

261 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]

Which Months: All Year Statistical Basis: None specified

262 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

263 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to control the emissions to 95% destruction removal efficiency or 50 ppmv is determined as MACT. [LAC 33:III.5109.A]

EQT311 V-484 - CPLA UNIT FLARE DRUM (BZD-34)

264 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The benzene-containing wastestreams entering this source contain <10 ppmw benzene on a flow-weighted annual average basis per 40 CFR 61 Subpart FF. MACT is not required. [LAC 33:III.5109.A]

265 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]

266 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]

267 For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

EQT312 V-485 - BPLA HYDROGENATION REACTOR (BSR-301)

268 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

269 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

270 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

271 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

272 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

273 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT314 V-487 - BPLA UNIT FLARE DRUM (BZD-37)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT314 V-487 - BPLA UNIT FLARE DRUM (BZD-37)

- 274 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart H, HON requirements for equipment leaks is determined as MACT. [LAC 33:III.5109.A]
- 275 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 276 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 277 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 278 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.349(a)(1)(i)
- 279 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- Which Months: All Year Statistical Basis: None specified
- 280 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 281 Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
- Which Months: All Year Statistical Basis: None specified
- 282 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 283 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 284 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b). [40 CFR 63.170]
- 285 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 286 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 287 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

EQT315 V-488 - DARLA SPENT CATALYST STRIPPER (BCD-301)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT315 V-488 - DARLA SPENT CATALYST STRIPPER (BCD-301)

288 VOC, Total \geq 90 % reduction if the actual average flow rate value (in the units of scfm) is below the value of FR calculated using the applicable RACT equation for the volatility range (low, moderate or high) of the material being emitted when the annual mass emission total, in the units of pounds per year, are input. Use the RACT equation specified in LAC 33:III.2149.C.1. [LAC 33:III.2149.C]

Which Months: All Year Statistical Basis: None specified

289 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to reduce the VOC mass emission rate by 90% is determined as MACT. [LAC 33:III.5109.A]

EQT316 V-489 - DARLA UNIT FLARE DRUM (BZD-901)

290 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart H, HON requirements for equipment leaks is determined as MACT. [LAC 33:III.5109.A]

291 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b). [40 CFR 63.170]

292 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]

293 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]

Which Months: All Year Statistical Basis: None specified

294 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

295 This source is subject to 40 CFR 63, Subpart I for the production of ethylidene norbornene listed in 40 CFR 63.192(b)(6)(v). Existing sources must comply with the equipment leak requirements of Subpart H of 40 CFR 63. [40 CFR 63.190(b)(6)v]

EQT317 V-490 - BELA-5 DISTILLATION (BAT-01AB,03,07AB)

296 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The BRCP Flare System is determined as MACT to control the emissions to 95% destruction removal efficiency or 50 ppmv, whichever is less stringent. [LAC 33:III.5109.A]

297 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

298 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified

299 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

300 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

301 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT319 V-492 - DILA DISTILLATION TOWERS (BDT-02,-04,-08X,-09X)

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

EQT319 V-492 - DILA DISTILLATION TOWERS (BDT-02,-04,-08X,-09X)

- 302 Total Organic Compounds (TOC) >= 98 % reduction by weight, or TOC <= 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. [LAC 33:III.2147.C.1.a]
Which Months: All Year Statistical Basis: None specified
- 303 Vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Equip flow indicator with a recorder and install at the entrance to any bypass line that diverts the vent stream away from the combustion device to the atmosphere. [LAC 33:III.2147.E.5.a]
Which Months: All Year Statistical Basis: None specified
- 304 Vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. [LAC 33:III.2147.E.5.b]
- 305 Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. [LAC 33:III.2147.E.5.b]
Which Months: All Year Statistical Basis: None specified
- 306 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using the BRCP Flare System to reduce the TOC emissions by 98 wt%, or to a concentration of 20 ppmw is determined as MACT. [LAC 33:III.5109.A]

EQT320 V-493 - BELA-5 UNIT FLARE DRUM (BZD-104)

- 307 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart H, HON requirements for equipment leaks is determined as MACT. [LAC 33:III.5109.A]
- 308 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b). [40 CFR 63.170]
- 309 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 310 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
Which Months: All Year Statistical Basis: None specified
- 311 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

EQT322 V-497 - BELA-5 DMF BLOWDOWN DRUM (BZD-103)

- 312 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart H, HON requirements for equipment leaks is determined as MACT. [LAC 33:III.5109.A]
- 313 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b). [40 CFR 63.170]
- 314 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 315 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
Which Months: All Year Statistical Basis: None specified
- 316 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

EQT518 M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), A

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

EQT518 M-68-A - SECONDARY WASTEWATER (BPLA TO WILA), A

- 317 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 318 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is not required because of low flow and low concentration of HAPs. [LAC 33:III.5109.A]
- 319 For wastestreams that are exempted from the control requirements and included in the facilitywide 2.0 Mg total, demonstrate at least once per year that the facilitywide exempted total does not exceed 2.0 Mg . [40 CFR 61.342(c)(3)]
- 320 Maintain records for each waste stream that is exempted from the control requirements and included in the facilitywide 2.0 Mg total. These records may include: all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(2)ii]
- 321 Annually submit a report that includes each waste stream chosen for exemption and the total annual benzene quantity in the exempted streams. [40 CFR 61.357(d)(3)]
- 322 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(i) or (a)(i)(ii), and (a)(i)(iii) Subpart G. [40 CFR 63.132(a)(1)]
- 323 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQT519 M-69-A - SECONDARY WASTEWATER (CPLA TO WILA), A

- 324 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]
- 325 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control is determined as MACT. [LAC 33:III.5109.A]
- 326 Maintain records for each waste stream that is exempted from the control requirements and included in the facilitywide 2.0 Mg total. These records may include: all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(2)ii]

EQT572 T-1915 - METHANOL, ISOPRENE SPHERE, ALTERNATE

- 327 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 328 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified
- 329 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 330 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]

EQT573 T-1921 - METHANOL, ISOPRENE SPHERE, ALTERNATE

- 331 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]

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EQT573 T-1921 - METHANOL, ISOPRENE SPHERE, ALTERNATE

332 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]

Which Months: All Year Statistical Basis: None specified

333 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]

334 Contemporaneous with making a change from one operation scenario to another, a record must be kept documenting the scenario under which the source is operating. [LAC 33:III.507.G.5]

FUG016 U-112 - COPRODUCTS UNITS FUGITIVE EMISSIONS

335 Maintain records to verify exemption from LAC 33:III.1.503. Keep records on site and available for inspection. An alternate site to store records may be used with prior approval. [LAC 33:III.1.513]

336 Fugitive emissions: Equip all rotary pumps and compressors handling VOC compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals. [LAC 33:III.21.11]

337 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]

338 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. For MACT comply with 40 CFR 63 Subpart H, HON requirements for equipment leaks. [LAC 33:III.51.09.A]

339 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09.Non-HON]

340 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 60.Subpart VV]

341 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 61.Subpart J]

342 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 61.Subpart V]

343 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.1.62(b) and 40 CFR 63.1.67(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.1.67]

FUG017 U-117 - DILA UNIT ACN FUGITIVE EMISSIONS

344 Fugitive emissions: Equip all rotary pumps and compressors handling VOC compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals. [LAC 33:III.21.11]

345 Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]

346 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09.A]

347 Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [40 CFR 60.Subpart VV]

FUG018 U-13 - CPLA UNIT FUGITIVE EMISSIONS

348 Fugitive emissions: Equip all rotary pumps and compressors handling VOC compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals. [LAC 33:III.21.11]

349 Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]

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FUG018 U-13 - CPLA UNIT FUGITIVE EMISSIONS

- 350 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09.A]
- 351 Comply with Louisiana Non-HON MACT in accordance with streamlined fugitives monitoring program defined in Appendix A. [40 CFR 60.Subpart VV]

FUG019 U-46F - DILA LOADING FUGITIVE(BELA-5 & BPLA)

- 352 Fugitive emissions: Equip all rotary pumps and compressors handling VOC compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals. [LAC 33:III.21.11]
- 353 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]
- 354 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. For MACT comply with 40 CFR 63 Subpart H, HON requirements for equipment leaks. [LAC 33:III.51.09.A]
- 355 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09.Non-HON]
- 356 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 60.Subpart VV]
- 357 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]

FUG020 U-47K - ACLA LOADING FUGITIVE (BELA-5, BPLA, CPLA)

- 358 Fugitive emissions: Equip all rotary pumps and compressors handling VOC compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals. [LAC 33:III.21.11]
- 359 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]
- 360 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. For MACT comply with 40 CFR 63 Subpart H, HON requirements for equipment leaks. [LAC 33:III.51.09.A]
- 361 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09.Non-HON]
- 362 Comply with 40 CFR Part 63 (HON) in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 60.Subpart VV]
- 363 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]

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- 364 Facility-wide: Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 365 Facility-wide: Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 366 Facility-wide: Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

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- 367 Facility-wide: Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 368 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 369 Carbon monoxide 6.13 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 370 Nitrogen oxides 7.3 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 371 Particulate matter (10 microns or less) <= 38.51 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 372 Sulfur dioxide 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 373 VOC, Total <= 93.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 374 1,3-Butadiene <= 1.435 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 375 Methanol <= 3.60 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 376 Methyl Tertiary Butyl Ether <= 4.25 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 377 n-Hexane <= 0.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 378 Benzene <= 0.59 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 379 Ethyl benzene <= 0.93 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 380 Naphthalene <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 381 Styrene <= 0.32 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 382 Toluene <= 1.81 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 383 Dimethyl formamide <= 9.6 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 384 Methyl ethyl ketone <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 385 Xylene (mixed isomers) <= 2.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 386 Acetonitrile <= 3.61 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 387 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 388 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 389 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 390 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 391 Submit Annual Emissions Report (TED): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 392 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 393 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 394 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III. Chapter 51. Table 51.1 or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 395 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 396 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 397 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 398 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 399 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]

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- 400 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III. Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 401 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 402 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 403 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 404 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 405 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 406 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 407 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 408 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 409 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 410 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 411 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 412 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 413 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 414 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 415 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 416 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 417 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 418 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

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- 419 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 420 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 421 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 422 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611 Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 423 Facility-wide: Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by DEQ. [LAC 33:III.5611.A]
- 424 Facility-wide: During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by DEQ to enforce these regulations. [LAC 33:III.5611.B]
- 425 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 426 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 427 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 428 Facility-wide (meeting applicability requirements in LAC 33:III.919.A.1): Submit Emission Inventory by March 31st of each year for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s) as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 429 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 430 CONTAINERS: Each container having a capacity ≥ 0.1 cubic meter (26.4 gallons) into which benzene-containing waste with a flow-weighted annual average benzene concentration ≥ 10 ppmw is placed shall be in compliance with the Container Standards in 40 CFR 61.345, or the waste stream must be included in the site-wide 2.0 Mg exemption list . [40 CFR 61.342(c)(3)ii]
- 431 Cover: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.345(a)(1)(i)]
- 432 Cover: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that the cover and all openings are closed and gasketed properly. Subpart FF. [40 CFR 61.345(b)]
Which Months: All Year Statistical Basis: None specified
- 433 Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.345(c)]
- 434 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: None specified

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- 435 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 436 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 437 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 438 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 439 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 440 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 441 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 442 The CPLA and DILA Units are subject to the Miscellaneous Organic Chemical Manufacturing NESHAP (Subpart FFFF). This MACT rule was promulgated on November 10, 2003. Source types that are potentially applicable include storage vessels, process vents, and fugitive emissions. Sources that are determined to be applicable to the requirements of Subpart FFFF will be in compliance by the regulatory compliance dates as published in the Federal Register. [40 CFR 63.FFFF]
- 443 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1.2 of 40 CFR 63 Subpart FFFF. [40 CFR 63]
- 444 Develop a management system to oversee the implementation of the risk management program elements. [40 CFR 68.15(a)]
- 445 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 446 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 447 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 448 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

GRP142 POTENTIAL NSPS Kb TANKS

- 449 Permittee shall apply for minor permit modification for the reconstruction of the tanks which are not currently subject to NSPS Subpart Kb. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

GRP142 **POTENTIAL NSPS Kb TANKS**

450 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

RLP060 **V-154A - DILA ACETONITRILE/WATER TANK (TK-1911)**

451 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

452 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

453 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is classified as Group 2 storage vessel since maximum true vapor pressure is less than 0.75 psia per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

RLP061 **V-154B - DILA N2 STRIPPER VENT**

454 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

455 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Process vent is classified as Group 2 process vent since the flowrates for the individual vent is less than 0.005 scm/min of HAP per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

RLP062 **V-154C - DILA SCRUBBERS VENT**

456 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

457 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Process vent is classified as Group 2 process vent since the flowrates for the individual vent is less than 0.005 scm/min of HAP per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

RLP063 **V-162 - DARLA SPENT CATALYST TRANSFER BIN (BCD-302)**

458 Do not cause, suffer, allow or permit the emission of particulate matter to the atmosphere from any process or process equipment in excess of the amount shown in LAC 33:III.Chapter 13 for the process weight rate allocated to such source. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]

459 Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

RLP064 **V-163 - DARLA CATALYST BIN PURGE VENT (BCD-21)**

460 Do not cause, suffer, allow or permit the emission of particulate matter to the atmosphere from any process or process equipment in excess of the amount shown in LAC 33:III.Chapter 13 for the process weight rate allocated to such source. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]

461 Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

RLP064 V-163 - DARLA CATALYST BIN PURGE VENT (BCD-21)

462 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

RLP065 V-226D - ACLA RACK RECOVERY CHILLER (CPLA)

463 VOC, Total: Throughput recordkeeping by electronic or hard copy daily. [LAC 33:III.2107.D.1]

464 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The source is classified as Group 2 transfer rack. The source transfers material with a HAP vapor pressure <10.3 kPa per 40 CFR 63 Subpart G. No control is determined as MACT. [LAC 33:III.5109.A]

RLP066 V-481 - COPRODUCTS CONDENSATE SYSTEMS

465 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

466 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The source contains organic HAPs/LTAPs only as impurities (as defined in 40 CFR Part 63 Subpart G. No control is determined as state MACT. [LAC 33:III.5109.A]

General Information

AI ID: 286 ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

ID	Name	User Group	Start Date
	Exxon Chemical Americas	Air Permitting	08-05-2002
0840-00014	ExxonMobil Chemical Co - Baton Rouge Chemical Plant	CDS Number	05-27-1993
0840-0014	ExxonMobil Chemical Co - Baton Rouge Chemical Plant	Emission Inventory	03-03-2004
13-5409005	Federal Tax ID	Federal Tax ID	05-27-1993
LAD0000812818	EMCC A Division of ExxonMobil	Hazardous Waste Notification	01-11-2000
LA0005401	WPC File Number	LPDES Permit #	05-22-2003
LAR05N087	LPDES #	LPDES Permit #	10-12-2001
LAR05N466	LPDES #	LPDES Permit #	01-01-2001
LAR10C511	LPDES #	LPDES Permit #	01-01-2004
WP1740	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2011-1.01	Radioactive Material License	Radiation License Number	05-30-2000
2011	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
7804	Exxon - Baton Rouge Chemical Plant	Solid Waste	01-08-2002
GD-033-1788	SW ID#	Solid Waste Facility No.	04-30-2001
0840A0153	Stage II Vapor Recovery	Stage II Vapor Recovery	08-19-2002
1863869-0001-8A	State Tax ID	State Tax ID	10-11-2001
34587	ExxonMobil Chemical Co	TEMPO Merge	08-15-2001
38772	ExxonMobil Chemical Co	TEMPO Merge	08-15-2001
41449	Exxon Chemical Americas	TEMPO Merge	01-21-2001
70805XXNCH4999S	TRI #	Toxic Release Inventory	07-29-2004
70821 XXNCH4999S	TRI #	Toxic Release Inventory	07-12-2004
17-004245	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
856	UST Case History Case Number	Underground Storage Tanks	11-21-1999
RG-033-7804	Facility ID #	Waste Tires	12-13-1999
WQC 980317-06	Water Quality Certification #	Water Certification	07-31-1998

Physical Location: 4999 Scenic Hwy
 Baton Rouge, LA 70805
Main Phone: 2259777333

Mailing Address: PO Box 241
 Baton Rouge, LA 708210241

Location of Front Gate: 30° 29' 33" 4 hundredths latitude, 91° 10' 15" 49 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Precise Position, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
David Fellows	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Responsible Official for

General Information

AI ID: 286 ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960007
Permit Number: 2367-V0
Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	David Fellows	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Air Permit Contact For
	David Fellows	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Water Billing Party for
	David Fellows	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Haz. Waste Billing Party for
	Charles A. Kaiser			Accident Prevention Contact for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	david.r.mathurin@ex	Radiation Safety Officer for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	david.r.mathurin@ex	Radiation Contact For
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259771424 (WF)	Radiation Contact For
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259774950 (WP)	Radiation Registration Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259771424 (WF)	Radiation License Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259774950 (WP)	Radiation License Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	david.r.mathurin@ex	Radiation License Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259771424 (WF)	Radiation Registration Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	david.r.mathurin@ex	Radiation Registration Billing Party for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259774950 (WP)	Radiation Contact For
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259774950 (WP)	Radiation Safety Officer for
	David Mathurin	PO Box 241 Baton Rouge, LA 708210241	2259771424 (WF)	Radiation Safety Officer for
	Jethro Matthews	PO Box 551 Baton Rouge, LA 708210551	2253597278 (WP)	Accident Prevention Billing Party for
	Bob Ortlieb	PO Box 241 Baton Rouge, LA 708210241		Solid Waste Billing Party for
	Paul E. Stokes	PO Box 551 Baton Rouge, LA 708210551	2259777241 (WP)	Underground Storage Tank Contact for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Exxon Chemicals Americas	4999 Scenic Hwy Baton Rouge, LA 70807		Solid Waste Billing Party for
	ExxonMobil Chemical Co	PO Box 241 Baton Rouge, LA 708210241		Air Billing Party for
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Stage II Vapor Recovery Billing Party for
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Haz. Waste Billing Party for
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Owns
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Operates
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		UST Billing Party for

SIC Codes:
 2822, Synthetic rubber
 2869, Industrial organic chemicals, nec
 2899, Chemical preparations, nec
 4011, Railroads, line-haul operating

General Information

AJ ID: 286 ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960007

Permit Number: 2367-V0

Air - Title V Regular Permit Initial

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.